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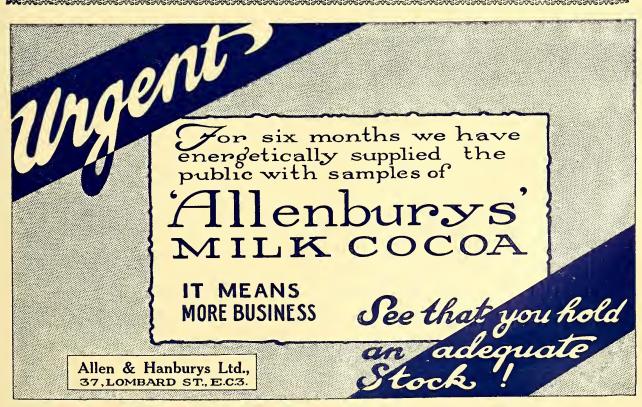
VOL. XCIII.



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Extra 5 % discount for 3 dozen lots.
£2 Orders Carriage Paid.

Fig. 3.

It is always advisable to obtain your Stocks before the Winter Season.

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# CAPSICUM TISSUE, in Cartons.

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To meet the heavy increase in manufacturing, overhead, and advertising charges, we are at last compelled to increase the selling prices of **FORMAMINT.** As from October 8 they will be as follows:

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To the Retail Trade: 26/- per dozen
Discount to Wholesaler - 12½%

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As G.L. Formalin does not bear our name and requires no patent-medicine stamp, you can sell it as your own proprietary at any price you like—say, 1/- to 1/6 per bottle. And the Trade terms are only 85/- per gross, leaving you a most generous margin of profit.

Messrs. Sangers are the sole distributing agents for the United Kingdom, and we suggest that you send us a trial order which we will hand to them. Please send it promptly; for a very large demand is anticipated and there is no doubt whatever that G.L. Formalin will be the most profitable "substitute" for Formamint that you could handle.

NOTE.—Abundant supplies of Genasprin are now available. It has been suggested to us that we should introduce a small trial size of Genasprin, and we should be glad to hear from our friends in the Trade as to whether this idea appeals to them.

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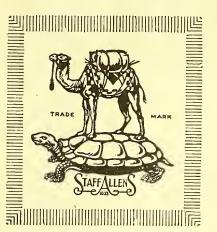
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- 월////////////////////////////////////		

# Your Opportunity to QUALIFY in

EXPERT Tuition by Correspondence for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (f.s.m.c.) or the British Optical Association (D.B.O.A.) Write for full particulars.

C. A. SCURR, M.P.S., F.S.M.C.

40 Courthope Road, Hampstead, London, N.W. 3.

# The principle of THYROID and the creation of yellow health rays in

# Dols Volatalise Flannel

# is most wonderful in effect

The invention of two clever scientists, DOLS FLANNEL gives relief and in most cases a permanent cure in Rheumatism, Sciatica, Lumbago, Neuritis, Bronchitis, all Chest and Throat Troubles, Stiff and Painful Joints and Muscles, and is a wonderful Revitaliser.

It not only heals but helps to create new that which is injured by the complaint.

The flannel took seven years to perfect, and it is now offered to the public as absolutely perfect.

It is prescribed largely by medical men, and there is a constant request to us for the names of Chemists holding stocks or who are able to obtain it. It is the Company's desire to have a Chemist in every town who will obtain articles prescribed by medical men, and we want Chemists to write us. We do not desire anyone to hold large stocks, but we wish to have Agents who will send orders as required.

Every article, even the smallest, is sent by return, post paid, so no capital outlay is required.

We suggest, however, that a single yard in bulk should be stocked; this costs 9/- per yard, and is sold at 12/-. It is spaced off in quarter-yards in white cotton, so that it can be sold in any length the customer desires.

We are also selling largely for the winter, now, Chest Protectors at 3/6 to sell at 5/-, and Chest and Back Protectors at 5/6 to sell at 7/6, all post paid.

The Company will be pleased to send Price Lists (wholesale and retail) and advertisement matter free on application for all bulk goods, made articles, underclothing, blankets, etc.

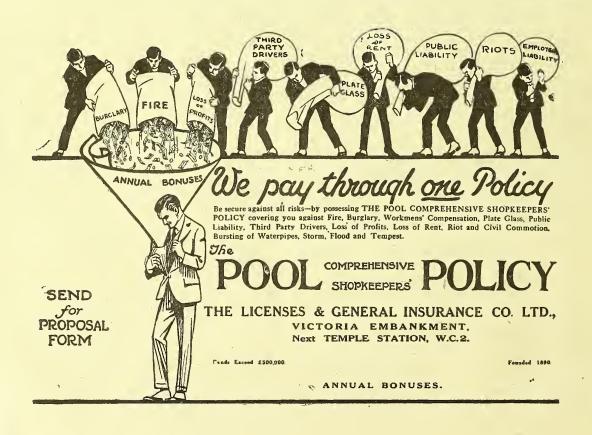
# THE FLANNEL IS THE MOST WONDERFUL THING EVER OFFERED TO THE PUBLIC

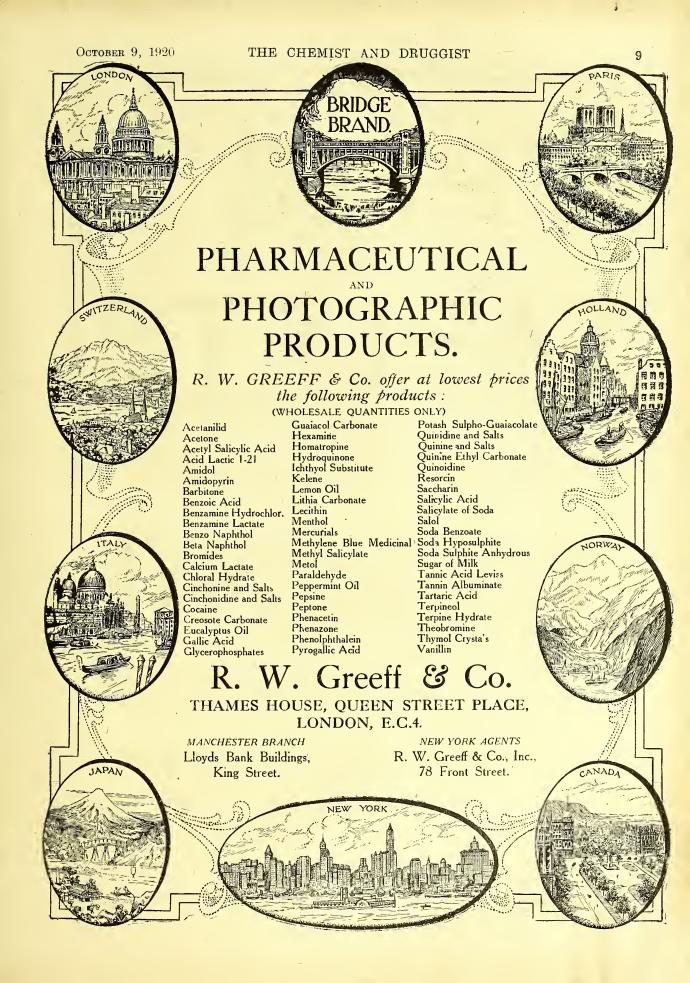
CUSTOMERS NOT ON OUR BOOKS CASH WITH ORDER.

PLEASE WRITE

DOLS & Co., Ltd. LOCKWOOD'S YARD FACTORY, HUDDERSFIELD, ENGLAND







# PINE SEE TO YOUR STOCK We are Actual Makers, and can supply in Bulk or Packed SAMPLES AND PRICES ON APPLICATION. C. R. Harker, Stagg & Morgan, Ltd. DEVON WHARF & BELL WHARF, EMMOTT ST., MILE END, LONDON, E. I.





# Page

October 9, 1920.

No. 469.

Factors that make Sales for

# 'Parex' Hot Water Bottles

Three features are helping to make the sales of "Parex" Hot Water Bottles this season surpass all previous records.

The first and foremost is the outstanding quality of the bottle itself. Pharmacists who have made the "Parex" Hot Water Bottle their leading line know that it has a number of sound selling points, and that it ensures complete satisfaction to their customers. Further, that it eliminates all loss of time and money arising from complaints.

The second factor is the attractive showcard supplied with all orders. The design is not new. It was so successful last year, and tells the story so effectively, that alteration was inadvisable. The colour scheme has, however, been improved, and the card is a certain sales producer.



The Showcard.

The third factor is the arresting three-fold counter leaflet, printed in orange and black on cream paper. The leaflet is interesting, educational, and convincing, and is sure to make new customers.

Let all these factors help to increase your hot water bottle business. Stock "Parex" Hot Water Bottles and exhibit the showcard and leaflet, and rapid and profitable sales will inevitably follow.



The Leaflet.

. Prices and full Particulars on Application.

Telephone:
"City 7"
(Private Branch Exchange).

S. Maw, Son & Sons, Ltd., 7/12 Aldersgate St., London, E.C.L Telegrams: "Eleven Cent, London."

# A COPY OF THIS PROSPECTUS HAS BEEN FILED WITH THE REGISTRAR OF JOINT STOCK COMPANIES

Application is being made to the Committee of the Stock Exchange for special permission to deal in these shares after allotment.

# NO PART OF THIS ISSUE HAS BEEN OR WILL BE UNDERWRITTEN.

The Subscription List will close on or before Saturday, 16th October, 1920.

# LEVER BROTHERS LIMITED,

# Port Sunlight, Cheshire.

(Incorporated under the Companies Acts 1862 to 1890).

# CAPITAL

	ISSUED FULLY P	-	
AUTHORISED.	LOUIT L	AlD	•
£40,000,000 in 40,000,000 7% Cumulative Preference Shares of £1 each	22,267,506	0	0
40,000,000 in 40,000,000 8% Cumulative A Preference Shares of £1 each	10,979,437	0	0
10,000,000 in 40,000,000 20% Cumulative Preferred Ordinary Shares of 5s, each	1,500,000	0	0
10,000,000 in 10,000,000 20% Cumulative A Preferred Ordinary Shares of £1 each			
10,000,000 in 10,000,000 20% Cumulative B Preferred Ordinary Shares of £1 each	262,000	0	0
10,000,000 in 40,000,000 5% Cumulative Preferred Ordinary Shares of 5s. each	718,666	5	0
10,000,000 in 1,000,000 Ordinary Shares of £10 each	2,280,000	0	0
£130,000,000	38,007,609	5	0

The respective shares will rank for priority as regards both Capital and Dividend in the order of the Authorised Capital set oat above.

A member is entitled to one vote for every share of £10; one vote for every 10 shares of £1, and one vote for every 40 shares of 5s.

# CO-PARTNERSHIP CERTIFICATES,

After payment of all Preference and Preferred Ordinary dividends and 5% on the Ordinary shares in respect of any year further amounts available for dividend and proposed to be distributed by way of dividend for any period are subject to the terms of a Co-Partnership Trust Deed made in 1909 and Sapplemental Deeds thereto under which employees of the Company and its Associated Companies participate on Co-Partnership Certificates held. The terms of the Deeds do not affect the rights of the Preference and Preferred Ordinary shareholders,

# ISSUE OF

8% Cumulative A Preference Shares of £1 each at par, payable as follows:—

1s. per Share on application.
9s. per Share on allotment.
10s. per Share on 30th November, 1920.

The first Dividend thereon will be payable on 1st January, 1921, and will accrue from the dates of the instalments commencing with the date of allotment.

From 1st January, 1921, these shares will rank equally with the shares of the same class already issued.

Applications from shareholders and customers of the Company will receive special consideration.

# DIRECTORS.

THE RIGHT HON. LORD LEVERHULME (Chairman).
THE HON. WILLIAM HULME LEVER (Aeting Chairman). JOHN GRAY (Vice-Chairman).

MES LEVER FERGUSON, EDMUND VANNUTELLI SALAMAN, CLARENCE CHARLES KNOWLES, JOHN LOUDON
BUCHANAN, HAROLD ROBERT GREENHALGH, JOHN
MCDOWELL, WILLIAM KEAY FINDLAY, CHARLES
EDMUND TATLOW, GILBERT WHEATON FOX, MAJORGENERAL S. LONG, C.B., JOHN INGLIS, JAMES LOMAX
SIMPSON, HARRY GOODWIN HART, EDWARD LEONARD
COOK, ERNEST WALLS, CHARLES ROWARTH BAKER.

# BANKERS.

LONDON COUNTY WESTMINSTER'& PARR'S BANK LIMITED, 41 Lothbury, London, E.C. 2, and Branches. MANCHESTER & LIVERPOOL DISTRICT BANKING COMPANY LIMITED, Liverpool, Manchester, London, and Branches. BARCLAYS BANK LIMITED, 54 Lombard Street, London, E.C. 3, and Branches. and Branches.

# BROKERS.

R. NIVISON & CO., Bank Buildings, Priuces Street, London, E.C. 2, FOSTER & BRAITHWAITE, 27 Austin Friars, London, E.C. 2. R. J. TILNEY & CO., 14 Castle Street, Liverpool. LAWSON & ORMROD, 4 Norfolk Street, Manchester.

# SOLICITORS.

SIMPSON, NORTH, HARLEY & CO., 1 Water Street, Liverpool. AUDITORS.

COOPER BROTHERS & CO., 14 George Street, Mansion Honse, London, E.C. 4.

SECRETARY AND REGISTERED OFFICE. L. V. FILDES, PORT SUNLIGHT, CHESHIRE.

# **PROSPECTUS**

The present Company of Lever Brothers Limited was formed in 1894 to acquire the business of Soap and Glycerine Manufacturers carried on at Port Smilight and elsewhere prior to the 17th May, 1890, by the firm of Lever Brothers and subsequently by Lever Brothers Limited (inderporated in 1890) the Vendors to the present Company.

In addition to its business at Port Sunlight, the Company holds interests in over 100 Associated Companies with numerous branches or selling agencies throughout the world.

Dnring the current year the Company has acquired and paid for 1,227,165 out of a total issue of 1,250,000 Ordinary shares in the Niger Company Limited at the price of £6 10s, per share. In the opinion of the Directors this transaction greatly strengthens the position of the Company by safeguarding the supplies of West African oils and Oleaginous seeds and nuts which in this country are used very extensively in the manufacture of Soap and Margarine.

The present issue is being made to provide for capital expenditure incurred in connection with the business of the Company and certain of its Associated Companies. THE COMPANY THEREFORE INVITES APPLICATIONS FOR THE ABOVE-MENTIONED 8% CUMULATIVE "A" PREFERENCE SHARES OF £1 EACH AT PAR UP TO BUT NOT EXCEEDING 4,000,000 SHARES.

The following figures showing the growth of the business of the Company have been extracted from the Company's Balance Sheets as certified by its Auditors, Messrs. Cooper Brothers & Co.:—

Year ending 31st Dec.			3	Rate of Ordinary Dividend: s.	
		£ 8,	£		Per Cent.
1913		11,713,424	 839,891		15
1914		13,247,598	 970,773		10
1915		14,001,838 58.	 1,092,823		10
1916	***	14,023,518 58.	 1,141,175		10
1917		15,202,799	 1,325,530		15
1918		17,065,340 108.	 1,547,635		17½
1919	•••	25,707,312 58.	 1,935,030		$17\frac{1}{2}$

For the year 1919 the sum of £500,000 was placed to Special Reserve.

Out of the profits of the Company for the half-year ending 30th June last an interim dividend at the rate of 20% per annum was declared on the Ordinary Shares. The Directors anticipate that the available profits for the current year will be sufficient to maintain this rate of Ordinary dividend after payment of dividends on all preference and preferred ordinary capital and making ample provision for reserves.

The Company has guaranteed the due payment of the annual interest amounting to £240,000 on outstanding debentures and debenture stock of certain of the Associated Companies; but the Directors do not anticipate any call upon the Company in respect thereof.

The Company will pay a brokerage of 3d, per share upon all shares allotted on applications bearing a Broker's stamp.

Application will be made to have the present issue added to the official quotation on the London Stock Exchange, and also at Liverpool, Manchester, Birmingham, Bristol, Leeds, Glasgow, Dublin, and Belfast.

The following further information is given pursuant to Section 81 of the Companies (Consolidation) Act 1908:—

In November 1918, 1,000,000 B Preference Shares bearing dividend at 6½% were offered at the price of 20s. per share for public subscription and the whole thereof allotted on 4th December, 1918.

In May 1919, 2,000,000 B Preference Shares bearing dividend at 6½% were offered at the price of 20s. per share for public subscription and the whole thereof allotted on 19th May, 1919.

In October 1919, 4,000,000 C Preference Shares bearing dividend at 7% were offered at the price of 20s per share for public subscription and the whole thereof allotted on 21st November, 1919.

In February 1920, 4,000,000 C Preference Shares bearing dividend at 7% were offered at the price of 20s. per share for public subscription and the whole thereof allotted on 16th March, 1920.

In June 1920, 8% Cumulative A Preference Shares to an amount up to but not exceeding 4,000,000 Shares were offered at the price of 20s. per share for public subscription and the whole thereof allotted on 25th June, 1920.

All the above Shares have been fully paid, and amongst other expenses connected with the issues, excepting the one in June 1920, underwriting commission of  $2\frac{1}{2}\%$  on the nominal amounts of the issues was paid.

The dates and names of the parties to the following contracts which have been entered into within the past two years are here set forth as being probably within the purview of Section 81 (k) of the Companies (Consolidation) Act 1908:—

-24th October, 1918. Sanitas Co. Limited and Lever Brothers Limited. 13th November, 1918. Lever Brothers Limited and R. Nivison & Co. and Foster & Braithwaite. -25th April, 1919. Lever Brothers Limited and R. Nivison & Co. and Foster & Braithwaite. -9th September, 1919. (a) Richard Irvin, Senior, and Lever Brothers Limited; (b) Charles Ocean Johnson and Lever Brothers Limited; (c) John Dixon Irvin and Lever Brothers Limited. -10th September, 1919. (a) Annie Irvin and Lever Brothers Limited; (b) Peter Kaplan and Lever Brothers Limited; (c) George Driver Irvin and Lever Brothers Limited; (d) Richard Irvin, Junior, and Lever Brothers Limited; (e) The African Fishing and Trading Company Limited and Lever Brothers Limited; (f) Sir John Hannel Irvin and others and Lever Brothers Limited; (g) Sir John Hannel Irvin and Lever Brothers Limited; (h) Lily lrvin and others and Lever Brothers Limited. -11th September, 1919. (a) John Ambrose Kitchen and others, J. Kitchen & Sons Proprietary Limited, Associated Enterprises Limited, Lever Brothers Limited and Lord Leverhulme; (b) John Hambleton Kitchen and Ambrose John Kitchen, Associated Enterprises Limited and Lever Brothers Limited; (c) John Hambleton Kitchen and Lever Brothers Limited; (d) John Hambleton Kitchen, Bennie & Kitchen Limited, and Lever Brothers Limited. 15th September, 1919. J. G. Jackson Limited, James George Jackson and Lever Brothers Limited. -22nd September, 1919. William Alford and Lever Brothers Limited. —30th September, 1919. Lever Brothers Limited and R. Mees & Zoonen. —3th October, 1919. Brunner, Mond & Co. Limited, Joseph Crosfield & Sons Limited, William Gossage & Sons Limited, Associated Enterprises Limited and Lever Brothers Limited. -29th October, 1919. Lever Brothers Limited and R. Nivison & Co. and Foster & Braithwaite. -22nd January, 1920. The Right Honourable the Earl of Scarborough and Clifford Blackburn Edgar, M.P., and Lever Brothers Limited. -26th February, 1920. Lever Brothers Limited and R. Nivison & Co. and Foster & Braithwaite. -12th March, 1920. Lever Brothers Limited and Carl William Hamilton. —30th April, 1920. Lord Leverhulme and Lever Brothers Limited. —28th June, 1920. Lever Brothers Limited and R. Mees & Zoonen. —30th June, 1920. Lever Brothers Limited and the Hon. William Hulme Lever. -18th August, 1920. Lever Brothers Limited and R. Mees & Zoonen.

A copy of the Memorandum and Articles of Association of the Company, the Balance Sheets 1913 to 1919 and the originals or copies of the Contracts referred to may be seen at the Registered Office of the Company by intending applicants for shares between the hours of 11 a.m. and 4 p.m. on week-days during the days the Subscription List is open.

The Company has during the past two years entered into numerous Contracts in the ordinary course of its business.

Applications for the shares must be made on the prescribed form and forwarded to the Company's Bankers with the deposit of 1s. per share. Where the number of shares allotted is less than that applied for the balance of the deposit will be credited towards the amount due on allotment. Failure to pay either instalment when due will render the amount previously paid liable to forfeiture and the allotment to cancellation. Notice will be given when Share Certificates are ready for exchange for Bankers' receipts.

Prospectuses and forms of application can be obtained from the Bankers and Brokers and at the Registered Office of the Company.

Dated 7th October, 1920.

FORM OF APPLICATION.

# LEVER

Issue Cumulative A Preference Shares of of £1 at 20s. each per share.

To the Directors of LEVER BROTHERS Limited.

GENTLEMEN.

benefit of any enemy subject within the meaning of the Trading with the Enemy (Amendment) Act, 1916.

Usual Signature. Name in full. PLEASE (Giving title (if any) or stating whether Mr., Mrs. or Miss.) WRITE Address in full DISTINCTLY. Description or Occupation.....

The Bankers of the Company will not acknowledge receipt of the deposits paid upon application for shares, but Letters of Allotment or Regret will be posted in due course.

This Form when duly filled up should be sent with the necessary remittance to any of the following Bankers of the Company :

London County Westminster & Parr's Bank Limited, 41 Lothbury, London, E.C.2, and Branches. Manchester & Liverpool District Banking Company Limited, Liverpool, Manchester, and Branches. Barclays Bank Limited, 54 Lomhard Street, London, E.C. 3, and Branches.

Cheques should be made payable to BEARER and crossed

NEGOTIABLE. TOM

# 

AGNESIA

ALL **VALUE** LINE

SATISFIED CUSTOMERS.

SIZES THREE

PHARMACISTS. SATISFIED

BENEFICIAL RESULTS. Minimum Expenditure. RECOMMENDATION.

REPUTATION UPHELD. Liberal Profits. REPEATS.

One doz. Bonus with each gross.

COST 60/-30/-99/per gross.

One doz. Bonus with each gross.

STATE OF THE STATE

# YOUR OPPORTUNITY

All Orders received up to and including Monday, 11th October, will be subject to a Special Discount of 10%

PROFIT

On Cost

105%

On Cost

Samples willingly sent to Chemists who have not stocked. New Price Slips for 72d. size upon request.

RED BAND CHEMICAL CO., RICHMOND TERR., EDINBURGH



# Slack Times

will not visit your pharmacy this winter if you make use of Ayrton's Publicity Service!

May we send you full particulars of our method of sending the purchaser of the following seasonable lines DIRECT TO YOUR PHARMACY?

# Ayrton's Cocoanut Oil Shampoo

The perfect Hair and Scalp Cleanser

P.A.T.A. retail - - - 2/3 per bottle
Wholesale - - - 16/6 per dozen

# P·K·L (Pain-Killing Liniment)

The Modern Liniment. Needs no rubbing.

P.A.T.A. retail - - - 1/6 per bottle

Wholesale - - - 12/- per dozen

# Ayrton's Skin Cream

Ensures a perfect complexion.

P.A.T.A. retail - 1/4 per pot

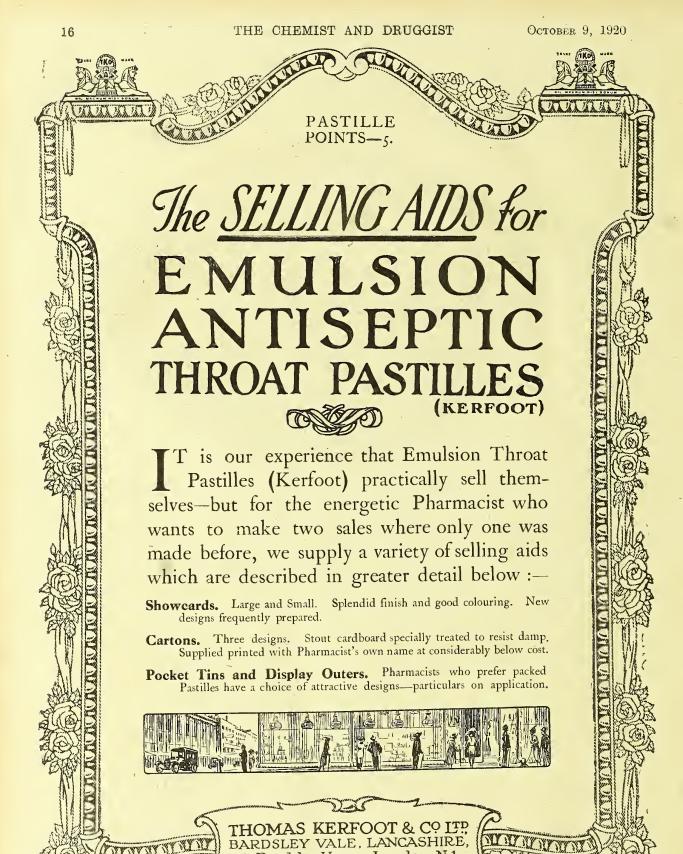
Wholesale - 10/6 per dozen 120/- per gross

Send a post card asking for full particulars of Ayrton's Publicity Service to Publicity Dept.

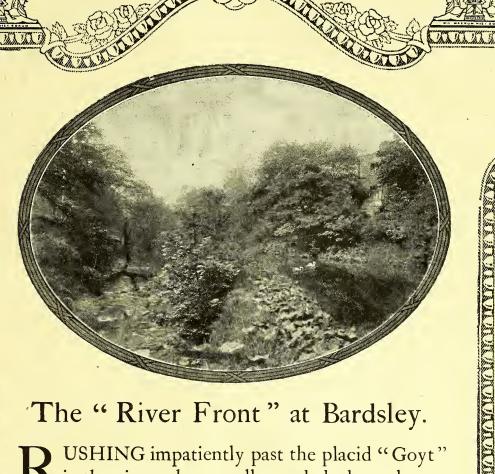
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home industries
by selling
The Ayrton line
of
Toilet Articles
and Household
Remedies

**British & Best!** 

AYRTON, SAUNDERS & CO. L. T.D. Manufacturing Chemists



& Bardsley House, London, N.1 ESTABLISHED 1797.



Rushing impatiently past the placid "Goyt" is the river whose well-wooded channels traverses for over a quarter of a mile the grounds of the Garden Laboratories of Thos. Kerfoot & Co. Ltd.

In the above photo (the fifth of a series) one of the picturesque upper reaches of the River Medlock is seen on the left, while on the right the "Distol" Laboratory peeps through the trees, whose spreading foliage is reflected in the mirror-like surface of the "Goyt"—an artificial channel cut to feed an ancient water-wheel long since replaced by modern sources of power.

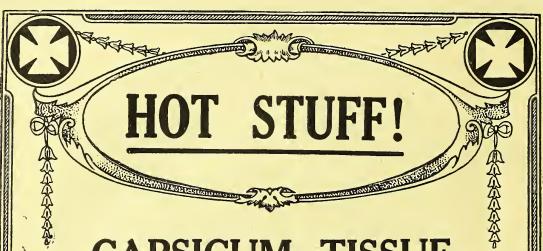
A different announcement from the House of Kerfoot appears every week in this paper—usually on page 17



The monthly price list of Kerfoot products will be posted regularly to any pharmacist on request.

THOMAS KERFOOT & CO LTD BARDSLEY VALE, LANCASHIRE, & Bardsley House, London, N.1 ESTABLISHED 1797.

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CAPSICUM TISSUE

IN SMALL CARTONS.

Per 6/6 dozen. Your name on labels for order of 6 dozen

or in pound packets, per 5/- lb.

# **Hot Water BOTTLE COVERS**

Assorted Colours - Ripple Cloth.

4 STOCK SIZES. Others made to Order.

 $10\times6$  ... **12/6** dozen.  $10\times8$  ... **15/**- dozen  $12\times8$  ... **17/3** ,,  $12\times10$  ... **20/**- ,,

We can also supply Hot Water Bottles, Ordinary Stopper or "Ronoleke." Prices on application.

London Office & Warehouse - 151-7 Goswell Road, E.C. 1.

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SURGICAL DRESSING MANUFACTURERS,
MARRIOTT STREET MILLS, STOCKPORT.

CABLES UNDISPUTED, STOCKPORT, CODE ABC 5TH EDITION





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VOUR of

# UNIVERSAL EMBROCATION

The EMBROCATION with a REPUTATION.

A permanent Egg Emulsion of Turpentine, Acetic Acid and Methyl Salicylate.

E 640. 4-oz. bottles, per doz. **8/6** 

E 642. 4-oz. bottles, in cartons, as illustrated ,, 10/-

Ditto per gross 117/-

In bulk, 11/- per gallon.

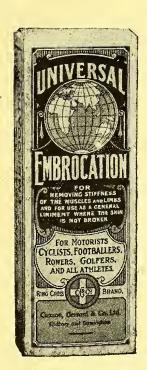
Gross quantities printed with customer's name.

# Cuxson, Gerrard & Co.

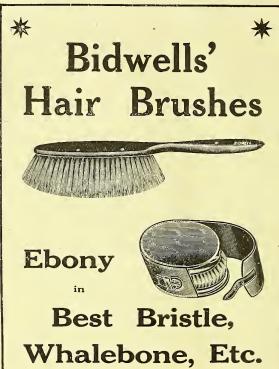
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Export and Colonial Inquiries
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Medical Flats { Best Quality, Quinine Tinted. Pale Tinted, 2nd Quality. Panels ,, Pale Green. Vials, White Flint. All sizes. Poisons. Actinic Green, Blue or Amber.

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The initial rush for the new edition has now been amply coped with by the binders, and we are now in a position to supply by return from stock.

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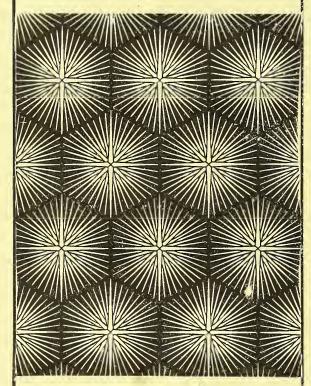
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LONDON: H. K. LEWIS & CO. LTD. 136 GOWER STREET, W.C.1 Also of W. H. MARTINDALE, 10 NEW CAVENDISH STREET, LONDON, W.1

# CLEMENTS' Window Display Papers

make

ATTRACTIVE WINDOWS



# "WHITE SUN"

one of the latest

4/10 per Roll of 12 yards  $\times$  21"

# **BLACK & GOLD SERIES**

Striped, Check or Floral
4/- per Roll of 6 yards

Write for Full List and Samples

A LARGE SELECTION

# CLEMENTS, NEWLING & Co.

LIMITED

95 & 96 WOOD STREET, LONDON, E.C.2

# LLOYDS BANK



LIMITED

Chairman:
SirRICHARD V.VASSAR-SMITH, Bart.
Deputy-Chairman:
J. W. BEAUMONT PEASE.

HEAD OFFICE:
71, LOMBARD STREET, E.C. 3.

CAPITAL SUBSCRIBED £70,679,380

CAPITAL PAID UP - 14,135,876

RESERVE FUND - 9,977,282 DEPOSITS, &c. - 324,308,239

ADVANCES, &c. - 164,395,501

# AFFILIATED BANKS:

THE NATIONAL BANK OF SCOTLAND LIMITED.
THE LONDON AND RIVER PLATE BANK LIMITED.

AUXILIARY:

LLOYDS & NATIONAL PROVINCIAL FOREIGN BANK LIMITED

# "Mayfair" Straw Hat DYES.

# Mayfair Chemical Co.,

11 Queen Victoria Street, LONDON, E.C.4.

Tel. No.: CITY 3373.

Tel. Add.: "AGENDA, CANNON, LONDON."

\_\_\_\_\_



# The Most Profitable Way of Handling Credit Accounts

RETAILERS in scores of different lines of business are using the National Credit File.

These retailers have found that our Credit File gives them the most profitable way of handling credit accounts.

They appreciate the "National" one-writing system which eliminates Day Books and Ledgers.

It prevents forgetting to charge goods sold on credit.

It gives each credit customer a statement of account on every purchase, and protects every credit record until it is paid.

The system saves time, work, worry and expense. It stops leaks and saves profits.

A Prominent Chemist says: "It is saving us pounds daily, and we are so well satisfied that recently we ordered another of your highest - grade Registers and another File."

# It will Pay you to Investigate, Mr. Chemist.

WRITE TO-DAY for special booklet and learn how this modern method will obtain maximum protection and profit on your Credit Business.

The NATIONAL CASH REGISTER CO., Ltd. 225 Tottenham Court Road, London, W.1.

Telephone: Museum 1680 (4 lines)

Branch Offices in all Large Towns.

88

# OILS BRITISH MADE

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the world.

WE SPECIALISE IN TERPENELESS: Anise (Anethol)

Bay Bergamot Caraway Cassia Cinnamon

Clove

CINNAMIC ALDEHYDE GERANIOL

8

Dill Geranium Ginger

Juniperberry Lavender Lemon Limes

CITRAL

Nutmeg

**EUCALYPTOL** 

Mandarin Orange Peppermint Petitgrain Rosemary - SICILIAN ·

LEMON -BERGAMOT ORANGE - MANDARINE.

# SPINELLI

The Oils that have a Long Reputation for Quality.

> In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that the "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have eleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is quality in every eachage. Guaranteed Genuine Oils of authentic origin, and to conform to any analysis as to purity. In the manufacture of our Terpeneless Oils analysis as to purity.

# DISTILLERY HOLLANDS

LONDON, Lavington Street. Southwark,

ABC Code, 5th Edition. Western Union.

Telegrams: "LANDSLOH LONDON." Telephone: Hop 898.

AMERICAN AGENTS-O. A. BROWN CO. INC., 89-101 Beekman Street, NEW YORK. CANADIAN AGENTS-F. S. JARVIS & CO., 18 Torento Street, TORONTO.

# ALKANET ROOT

Ex Stock. LOWEST PRICES.

LIOUORICE JUICE

Block and Stick,

HORACE BATTIN & CO., LTD.

2 FENCHURCH AVENUE, LONDON, E.C. 3.

Telephone:
Avenue 4870.

Telegrams: "Hobatco, Fen, London."

Sole Distributors F. NEWBERY & SONS LP. 27-28. CHARTERHOUSE SQ. LONDON. EC. 

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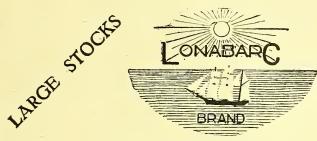
# LOROPHYLL

Fast to Light and Acid—Absolutely Pure. Guaranteed to be of uniform · concentration and shade, and to give an entirely clear solution.

The Sandoz Chemical Co., Ltd., BRADFORD.

"HEADQUARTERS"

# SPANISH ESSENTIAL



RIGHT PRICES EVERY KIND. PRICE LIST GLADLY SENT ON APPLICATION.

LONABARC TRADING

5 FINSBURY SQUARE, LONDON, E.C. 2.

Telegrams: "Lonabarc, Finsquare, London."

Telephone: Clerkenwell 2096.

# ROSE SUPRÊME DE FRANCE.

A New Perfume, designed to meet the requirements of Pharmacists preparing their own Powders, Creams and Toilet preparations in general.

Of fine quality and constant strength, it will be recognised by the trade to be the perfume of the year.

Prices & Samples from the Manufacturers—

R. LANE-HALL & CO., LTD.

I STEWARD STREET, LONDON, E.I.

# PEPPERMINT UIL

BRAND.

Distilled by LOUIS RAISSAC

Proprietor of the

Noire Montagne

Plantations and Distilleries at

& Toulouse, Revel

Sole Agent for the U.K.:

# C. A. CHARPENTIER.

75 Creat Titchfield Street, LONDON, W.1.

Telephone: Museum 6412. Telegrams:

"Synthetoli, Wesdo, London."

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# NESTOR MOURANCHON.

Telegrams: "Barthgay Paris." Telephone: Marcadet 15/92. Offices: 40 Rue Damremont, PARIS. Distilleries and Laboratories: Chateauneuf-Val-St.-Donat (nr. Grasse), and Romans (Drôme).

Petitgrain, SPECIALITIES: Menthes. Neroli, Patchouli, Otto of Rose, Violet Essence, Gant de MONTAGNE" and Imported Products. "ESSENCES DE Lavender, Aspic, Thyme, Girofle, Badiane, Geranium, Ylang Ylang, Musk, Ambre.

WHOLESALERS PRICE LIST APPLICATION TO ONLY.

Sole Agents for British Isles and Colonies: -

BREZET & CO. LIMITED,

**DUNSTAN'S** HILL, LONDON, E.C. 3.

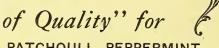
Telephone: Avenue 3543.

Telegrams: "Abrezical, Phone, London."

DODGE & OLCOTT CO., LONDON, E.C. 3.



THE "D & O" BRAND is the "Standard of Quality" for



OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu, TONKA BEANS, Angosturas.

Telegrams-"EGDARF, FEN, LONDON."

[Regd.]

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Phone— CITY 2468

# ISH ELEGA

The Winning Perfume—Fragrance of Midsummer Roses.

Wholesale In three sizes 28/- doz. 3/6 Small

PRODUCT OF

... 6/-Medium ... 48/-... 21/-168/-Large

The EVAN-WILLIAMS Co., Ltd.

18-18a Ogle Street, London, W. 1. Usual Trade Terms.

SHOWCARDS SUPPLIED.



London.

11, Southampton Row, W.C.

Areco Ltd

Rue Tailbout



A personal visit to Paris has enabled us to secure a Stock value

£10,000

without paying the 20% advance that came into operation in July 1920.

Our present Tariffs stand until this Stock is exhausted.

TAKE ADVANTAGE OF OUR ENTERPRISE BY ORDERING ROSINE & DE LUZY NOW.

# THE FAIREST OFFER EVER MADE

Because we are so confident of the excellence of our perfumes we are willing to send

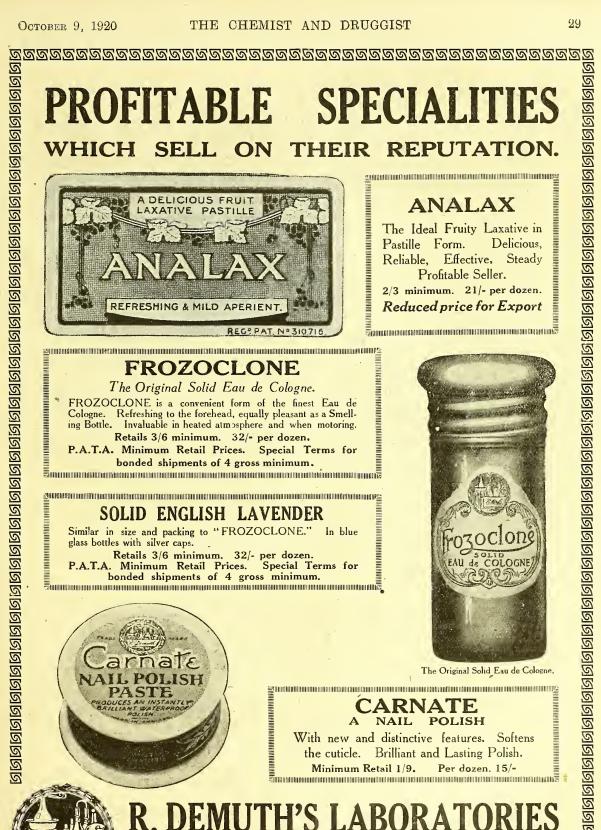
On Approval, Carriage at our expense, a range of samples of ROSINE lines retailing at 21/-, 28/6, 33/6, 35/6, 42/-, etc. etc., DE LUZY lines retailing at 5/-, 5/6, 6/6, 10/6, 14/6, 16/6 & 21/-

Write for selections of either or both on these conditions. They may be returned at our expense if not required.

# W.H.CALNAN & COMPANY

30-32 LUDGATE HILL, LONDON, E.C. 4.









R. DEMUTH'S LABORATOR

68 Salusbury Rd., & Montrose Avenue, LONDON, N.W. 6

37 Gray's Inn Road, LONDON, W.C.

# Toilet Specialities.

			Price per dos.	Selling Price
PILENTA SOA	D	_	to Retailer.	P.A.T.A.
A complexion soap.		-	10/-	1/4
PROLACTUM	-	-	10/-	1/-
For the lips. PARSIDIUM J	CT 1	T W	10/-	4/
For wrinkles:	E.L.	LI	10/-	1/-
ALLACITE of			22/6	2/6
	3LC	SSOM		
BORANIUM A hair tonic.	-	7	22/6	2/6
CLEMINITE		_	22/6	2/6
For a face lotion.			·	
COLLIANDUM	_	-	22/6	2/6
For a face tint. PERGOL =	_	_	22/6	2/6
A deodorant.	_	_	22/0	2/0
STALLAX -	-	40	22/6	2/6
For a shampoo.			31/6	3/6
For clearing the skin.	•	-	31/6	3/0
PHEMINOL	•	_	36/-	4/-
A depilatory.				
MENNALINE For the eyelashes.	-	-	36/-	4/-
MERCOLIZED	W	ΑX	31/6	3/G
A face cream.			,	-,-
STYMOL -	- 111-	.1.1	36/-	4/-
For oily complexions as BARSYDE	na bia	ckneads	22/6	2/6
Dandruff eradicator.	_	_	22/0	2,0
TAMMALITE	•	-	22/6	2/6
For grey or faded hair LIOUID PERG		-	21/6	2/6
To check excessive pre		tion locally	31/6	3/6
BICROLIUM			22/6	2/6
For whitening the hand			00/0	0/0
HARAPOSA, Nut oil shampoo.	0	•	22/6	2/6

# STOCKED BY ALL WHOLESALE HOUSES

# COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:

ALL WHOLESALERS, and DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON & CO., Ltd. (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

IA:

REMP & CO., Ltd. (Bombay)

THE INTERNATIONAL TRADING CO., Princess Street (Bombay)

R. MACLURE (Madras)

SMITH. STAMISTREET & CO. (Calcutta).

MEHTA BROS. (Calcutta)

JAMNADAS BROS. (Bombay)

MEW ZEALAND: SHARLAND & CO., Ltd. (Auckland & Wellington)

DEARBORN, Ltd., Calla Salta 264, Bucaos Aires.

# 

FOR LARGE BUYERS.

# IME CREAM

ALSO

Shaving Sticks, Tooth Powders, Dental Creams, Vanishing Creams, Pomade Shampoo Powders, Hongroise, Brilliantines, Dry Shampoo (Liquid), Bay Rhums, Toilet Paraffins, and all Toilet Goods.

> LOW PRICES for HIGH QUALITY.

C. A. STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers,

11 ECLIPSOL WORKS, BRISTOL.

The Dye with a Reputation for reliability.

# ROYAL

SEVEN SHADES

1/6 size 12/- doz. 2/6 size 18/- doz. P.A.T.A.

The only dye giving a natural gloss to the hair.

From all wholesalers or direct J. KNOX-WALKER & Co., Ltd., 422 Kingsland Rd., London B. S.

# EASTERN TRADING Co. Ltd.

St. Giles, Salisbury.

Importers of Face or Powdered Paper.

Stocked in Rouge, White, Pink and Natural. Cases of 50 reams. 96 sheets per ream.

Rouge, 11/-, other colours 8/- per ream, ex store London.

Vanishing Cream.

NOW SUPPLIED IN

**ALUMINIUM** SCREW - CAPPED JARS.

1/3 size-10/6 doz. 101d. size-7/6 doz.

FROM LONDON WHOLESALERS.

Direct orders value £5, subject to 1 doz. 1/3 size Bonus for window display and 5% discount cash, one month; £2/10/0 subject to ½-doz. 1/3 size Bonus for window display, net.; £1/10/0 subject to ½-doz. 1/3 size Bonus for window display, net. Carriage paid on £1/10/0 upwards.

STRODE COSH & PENFOLD, Broadmead, BRISTOL.

# TRADE Vaseline MARK

PETROLEUM JELLY

# Yellow and White

ACCUSED BY A STREET Tins. Tubes. For Burns, Wounds, Skin Diseases, and Hemorrhoids General use Internally relieves Coughs and Colds 

In Bottles,

These Advertisements will appear in all the Leading Magazines and Periodicals during September and October.

Are Your Supplies Sufficient?

AN ATTRACTIVE SHOWCARD WILL BE SENT UPON APPLICATION.

CHESEBROUGH MFG. CO. CONS.

42 Holborn Viaduct, E.C. 1.



# LYPSYL

THIS dainty and popular lip salve is an exceptionally ready selling line, and one which yields a substantial margin of profit to the Pharmacist. Lypsyl appeals to all who are troubled with dry or cracked lips—its remedial properties quickly heal and beautify them.

With a view to meeting every possible requirement Lypsyl is made in the six varieties and put up in the handy and attractive metal tubes illustrated at foot.

Order for stock now and thus be able to meet all your customers' requirements.











VINOLIA CO LTD

R V 442-29 T

# ROBARTES' send YOU Customers

WE are Increasing Sales and Sending Customers to Your Shop by the medium of our New Immense Advertising Campaign, having booked space, commencing from now onward, in over 40 large and influential papers, including the DAILY MIRROR, EVENING NEWS, WEEKLY DISPATCH, LONDON MAIL, TATLER, PEARSON'S WEEKLY, PICTURE SHOW, HOME CHAT, DAILY SKETCH, EVE, VOGUE, HOME NOTES, etc.



TRIAL SIZE

P.A.T.A. 4½d. ... @ 36/Packed in quarter-gross
display boxes. per gross.

We are making a special feature of our "DIADEM" WAX FOR THE COMPLEXION, and in order to encourage your cooperation we have arranged to allow you 70% profit on the investment.

Until the end of the year, for every two dozen "Diadem" Wax ordered we are giving a Free Bonus of one dozen Trial Size, and, as shown below, your profit will amount to 70% on cost. P.A.T.A.

P.A.T.A.
2 dozen 2/6"Diadem"

Wax @ 20/- ... £2 0 0 Selling price .. £3 0 0

P.A.T.A.

1 dozen 4½d. @ 3/ FREE , ,, ... 4 6 Less 5% cash 7 days .. 2 0

Cost .. £1 18 0 Sum realised .. £3 4 6

The above shows you a profit of over The Sales resulting from a display of "Diadem" Wax in your window will astonish you.

70%

# DECOLTENE The liquid hair remover

Robartes' Renowned Depilatory, well advertised, and in universal demand.

PRICE

30/- PER DOZEN

P.A.T.A. 3/9

# XMAS TRADE PERFUMES.

We will send particulars on request of attractive perfumes at various prices.

SPECIAL NON-PROPRIETARY LINE.

1-oz. bottles, as illustrated. A good perfume, at

PER DOZEN 10/6

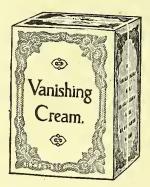


WRITE FOR NEW ILLUSTRATED PRICE LIST, giving details of all ROBARTES' other attractive and well-established lines. Showcards and counter matter FREE on request.

ROBARTES, LTD. DYER'S BUILDINGS Holborn, LONDON, E.C.1















There are many cheaper Creams than Tokalon—but your Customers don't want them.
There may be better Creams than Tokalon—but just try to find them!

CRÈME TOKALON



PRICES 1/6 & 2/6

With the help of our advertising, you, Mr. Chemist, have to sell Tokalon cream and powder to your customer the first time, but from then onward they sell themselves. After once testing these remarkable products the customer will not feel satisfied with any others.

Why it is that Peggy O'Neil finds Crème Tokalon so different from all others.

Crème Tokalon imparts marvellous beauty to the complexion because it contains buttermilk and other skin-preserving and nourishing ingredients found in no other Cream.

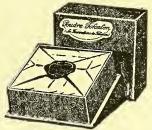
COMPLEXION PROGRAMMENT OF THE PR



### What Peggy O'Neil says about CRÈME TOKALON & POUDRE TOKALON.

"May I add my word of praise to your delightful Crème Tokalon. I've been in England but a short time, and I'm happy to have found this spendid Crème. It beats any other, and my dressing table in hotel and theatre is never without this new luxury. The poudre, too, is delightful, and I'm more than glad to have found it."

POUDRE TOKALON



PRICES 1/11 & 2/11. In compressed form (Comprimes) 1/6 each.

Our goods, bought on best terms, Show you

57% PROFIT on your Outlay.

Show-Cards sent free on request.

Carriage Paid on all Orders for 3 doz. or over.

Why it is that Peggy O'Neil finds Poudre Tokalon so different from all others.

One of the charms of Poudre Tokalon is its extreme fineness, produced by the "air floating" process which we use exclusively in manufacturing the powder.

YOU SHOULD ALWAYS KEEP THESE TWO QUICK-SELLING LINES IN STOCK.

TOKALON LIMITED, 212-214, Great Portland Street, London, W.

Mariante strength demonstra analogic english

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HIS article has now been sufficiently long before the public to enable them to sample its merits. This the public have done on a large scale, and many delighted users have come again and again to the retailers they buy from for further supplies. The demand has been extraordinary. At first the proprietors tried to cope with it per post, but they soon saw that this was too cumbersome and tedious a method, and they are now gladly availing themselves of the services of the trade. Wavcurl is a first-class seller and a first-class payer, too. The profits are all they should be on a toilet line, as any reader can see for himself in the P.A.T.A. Protected List. Forty per cent (40%) should surely awaken your interest, especially in a line that sells at sight. sight. All classes of ladies, from the titled dame to the busy sight. All classes of ladies, from the titled dame to the busy factory worker, are using it as their readiest means of keeping themselves attractive, notwithstanding the great demand there is just now upon their time. To the user it is a great time-saver; to the seller, a great money-maker. We invite your application for Showcards and Dummies for window-dressing. A Wavcurl window-show in an industrial or factory area will simply make the shillings shower into your till. Address post card to

### WAVCURL HID

FULWOOD HOUSE, HIGH HOLBORN, W.C. 1

1/6 Duvetine (Superfluous Per doz. Hair Remover)
1/6 Wavcurl Hair Tonic
(9 in Powdered Form) 1/6 Wavcurl (in packets) ... 9/-2/9 Wavcurl (in bottles) ... 21/-1/6 Eyelashine ... ... 9/Showcards for Window charge 1/6 Complexion Cream ... 10/-... 15/-2d. Shampoo Powder

Agents: PARIS .- A. W. Scott, 38 Rue du Mont Thabor. CANADA. - W. W. Barry, 1 Port Street, Montreal.

BE SURE AND ADD

# La-Rola Rose Bloom

### TO YOUR STOCK AT ONCE,

as it is being largely advertised in the "Daily Mail," "Mirror," "Sketch," etc.

Do not lose the business through being out of stock.

It is the most natural tint on the market, and is selling well wherever introduced.

### Lait La-Rola & Glycerine & Cucumber supplied as usual,

All these articles are protected at FACE VALUE. Write for Display Terms and save 10%.

M. BEETHAM & SON, Cheltenham.

### PAST EVENTS

have conclusively proved that Chemist who at first feared to sell "Quin-Quenna" for various reasons las found that Mr. Bogey "Non-sale" wasn't there, and that he sold "Quin-Quenna" just as fast and readily as his brother who bought immediately it was introduced. As a matter o fact

cannot help being sold no matter where you are situated because it is so well and consistently advertised, beautifully presented to the public, and never lets either the Chemist or the Manufacturer down.

TO THOSE THAT HAVE NEVER yet tried "Quin-Quenna," and there are

on a 6 doz. hox, with 1 doz. 6d. packets free as honus? We will give you plenty of local advertising material and wel-come the chance of proving to you that, providing it is shewn, sales are there for the asking.

P.A.T.A. 🍙 D.

Thos. Christy & Co., 4 Old Swan Lane, E.C.4

# 1 Doz. FREE

# SILKODONIO Seate seate

# Attractive Offer for Window and Counter Displays

With orders for 3 doz. bottles of SILKODONO (either size) and on the clear understanding that you will give us a good Window or Counter Display we will send 1 dozen Bottles absolutely FREE. With orders for One Dozen only we will send 2 Bottles FREE.

Wholesale Terms:

2/6 size - 20/- per dozen 4/6 ,, - 36/- ,,

All Orders Carriage Paid

When ordering, customers should state clearly which offer they accept. In order to make these Window and Counter Displays as attractive as possible we will send you (free of charge) Dummy Cartons, Three Charming Showcards printed in 14 colours, and useful Booklets on SILKODONO Hair Culture for Men, Women and Children.

The demand for SILKODONO is growing at a great pace, as it is now being advertised in National Papers as well as in the leading Provincial Journals. SILKODONO is a genuine remedy for all Hair Troubles—everybody who tries it keeps on using it. It is easily the biggest value in Hair Preparations to-day—and it is, far and away, the most profitable for you to sell.

Sooner or later you will stock and sell SILKODONO. Why not now? You will never be able to take it up on better terms—so send your order to-day.

Manufacturers:

# SILK'S TOILET CO.

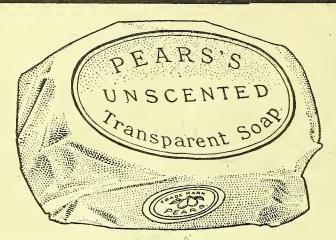
Red Lion Street, Holborn, London, W.C. 1

Telephone: Holb, 3095.

Telegrams: "SILPORANOB, HOLB., LONDON."



A Notable Selling Feature of Silkodono is its beautiful Wrapper, which is attractively printed in six colours, the original Bottle and label being reproduced in actual colours. It is quite distinctive, and when shown in window or counter display will give a wonderfully striking effect.



Our Reputation enables you to recommend Pears' Soap with consistency and confidence.



# A. BOURJOIS & Cie, Ltd. 66 CARTER LANE - LONDON, E.C.4.

Please note that the prices of

# Poudre de Riz de Java (Bourjois)

are as under:

2/- size. No. 45
1 doz. - 16/- per doz.
6 ,, - 15/9 ,, 6 ,, - 10/9 ,, ,,
12 ,, - 15/6 ,, 12 ,, - 10/6 ,, ,,

The P.A.T.A prices for Java Powder have been increased to 2/- and 1/3 per box.

May 1, 1920.

No. 495 supplied in the United Kingdom only.

of PARIS.

... 16/-

124 Dorin de Poche ... 8/1bis Rouge de Théâtre 6/4 Rouge Fin de Théâtre 7/-

£5 lots 5% £10 lots 10%

63bis Eyebrow Pencils 3/4
451 Rouge Brunette ... 10/418 Dorina Powder ... 8/-

418ter ,, ,,

DORIN

# NILDE of PARIS.

Nilde	Powder			1/-	8/-	čoz.
- r	ditto			3/6	28/-	,,
	Embroide					
Rouge	Nilde		•••	1/6	12/-	,,
`	Nilde Embroide	red or	Leather	5, 6	44/-	,,

# POMEROY of LONDON.

Day	Cream		•••	2/6	24/5	doz
Skin	Food	•••	•••	1/9	15/5	,,
,,	.,	***	***	4/-	35/2	

# LA REINE des CREMES.

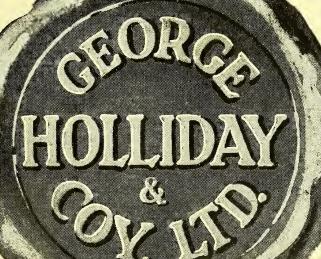
Small		19/6 doz.
Medium	•••	28/
Large		60/

# PAPIER POUDRE.

4d. 6d. 8d. 1/3 2/8 3/9 5/- 10/- doz.

POPPŒA ROUGE.

1/- 8/- doz.



# HOUBIGANT.

		_		
			Min.	Retail. Each.
536	Idéal	•••		25/6
:539	,,		•••	47/6
540	11		•••	95/-
710	Quelques	Fleur	S	29/6
750	,,	Viole	ttes	25/6
569	Coeur de	Jeann	ette	18/-
584	Mes Délie	ces	•••	25/6
661	Premier I	Mai		23/-
	Subject to	33% ar	nd 5%	

# DIADEM Preparations.

Decolte	ne Depil	atory		3/0	size		Do:	
	Deodorai			2/6	,,,			
Diadem	Face Po	owder		2/6	11	•••	20	-
.,	Comple	xion W.	ax	2/6			20	
11	Crême 1	Rouge		2/6	2.0		20	-
,,	Vanishi	ng Črea	ım	3/9	11		30	
	Talcum			1/3			10	
.,	Eau de	Cologne	. 1 oz.	2.3			18	
,,	1,	11	2 oz.		.,		34	
,,	,,						62	
11	, , ,		4 oz.	119	2.9			
	Parfum	Sec		2/-			16/	-

ANZORA.

Cream Viola	{ 1/6 2/6	12/- doz. 20/						
3 doz.	) 1/6 or	( 21 %						
6 ,,	equiv.	5%						
12 ,,	assd.	10%						

# KRASKA.

1/2 9/6 doz. 1/8 12/6 ...

Carriage Paid on £5 Orders. Cases Free or at Cost and Half Allowed if Retained. 289-325 City Road, MANCHESTER

The Flavour Pleases.



# OUR BONUS TERMS.

We allow sums of 20/-, 9/6and 4/6 for Window Displays, according to size of order. The profit is over 8d. per tube on the 1/3 size.

Write for particulars.



# THE ORIGINAL

# HUNT'S BOTTLE CAPS

To fit all sizes of Bottles







To fit all sizes of Bottles

PAPER CASES for Capsules and the Lining of Tin Pastille Boxes. Samples on application.

From all Wholesale Houses or direct from the Sole Makers,

MANSELL, HUNT, CATTY & CO. LTD., LONDON, N.W.

# THE CHEMIST & DRUGGIST

53rd YEAR OF PUBLICATION

DIARY - 1921

53rd YEAR OF PUBLICATION

The recognised Reference Book for Chemists



Incorporating a Trade
Directory & Buyers' Guide

FIRMS who have not yet given instructions regarding advertising space and entries in Buyers' Guide should do so at once

CLOSING DATE FOR COPY - OCTOBER 16

Telegrams:
"Chemicus, Cannon, London"
(2 words)

42 CANNON STREET LONDON, E.C. 4

Telephone: Central 3617

# IMPORTANT NOTICE.

The Retail Price of Enolin Tooth Paste & Powder now is PASTE - 1/6 & 10d. per tube. POWDER 1/3 & 7.d. per tin.

# YOUR PROFIT INCREASED

Special Cash Allowance for Window Displays.

Write for new terms and particulars of this largely advertised proprietary to "Sales" Department.

A. & E. CARRERAS, Ltd., 207 King St., Hammersmith, W.6

Sole Export Agents : .

PATTINSON & MACKIE, Ltd., Albion House, 59 New Oxford St., London, W.C.1





Use Sapon and Feel Clean the pu

SATISFACTORY ALL WAYS ALWAYS.

their own favour than we can put into print.

SAPON SOAPS say more in

We are in no way connected with any combine of Soap Makers

WRITE FOR PRICE LIST.

SAPON SOAPS LTD. LONDON BRIDGE, E.C.4.



# MARSHALL'S



This ENTIRELY BRITISH-OWNED Product is now made in our New Factory at

# RAYNES PARK LONDON, S.W.19

Pharmacists are asked to specify Marshall's Lysol ("L" Brand) when ordering from their wholesaler in order to obtain the standard British article.

LYSOL LIMITED, RAYNES PARK, S.W.19.

Telegrams: "Lysolant, Cotten, London."

Telephone: Wimbledon 339/340.



HAT good dentifrice, specially formulated for the treatment of Pyorrhea, and recommended by doctors and dentists, can you offer customers from your shelves?

Forhan's For the Gums, originated by R. J. Forhan, D.D.S., for use in Pyorrhea cases, and now recognised by leading dentists everywhere as a potent factor in the fight against that dread disease, is such a dentifrice.

Because the results achieved by Forhan's For the Gums in combination with Forhan's Astringent at the dentist's chair have been very gratifying, its use among Pyorrhea sufferers is rapidly growing.

You may earn the goodwill of your trade, and profit from our effective sales campaign, by stocking Forhan's now. It comes in convenient tube form.

If your chemist cannot supply you, send direct to

THOS. CHRISTY & CO., 4-12 Old Swan Lane, E.C. 4,



# The Name that Sells.



"Pyrea" Astringent Lotion	5/-
"Pyrea" Tooth Cream (Large)	1/6
"Pyrea" " Powder	1/6

APPLY FOR DISTRICT AGENCIES.

EXCEPTIONAL TERMS.

"PYREA" Co., 31 Gt. St. Andrew St.

Telephone: 4087 Gerrard.

LONDON, W.C. 2.

A NEW SIZE

OF

CALVERT'S

Carbolic Ointment

THE 2/3 TIN

has been brought out for the Home market, as the limited supplies of the 2/9 jars are quite inadequate to meet the demand.

To avoid delay and disappointments therefore, chemists are requested to order their supplies in tins (two sizes, 1/3 and 2/3 retail) instead of the 2/9 jars, which are not likely to be available.

Current Price List sent post free on request.

F. C. CALVERT & CO.,

MANCHESTER.

Put Inferior Products into your Beautifully got-up Jars and Bottles? We can supply you with preparations of a quality to match your packing.

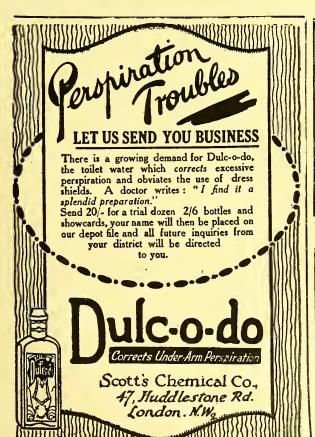
Our Products have been selling in France for the past 28 years—a fact which is in itself a recommendation of their quality.

Vanishing Creams, Face Creams, Face Powders, Nail Polish Paste, Brilliand'Iris, Lotions, Liquid tines, Lait White, Perfumes, Eau de Cologne, &c. &c., and all Toilet Requisites.

200 Different Formulæ.

Prepared by—

HILL BROTHERS (Manufacturing) LTD. 5 Fenchurch St., LONDON, E.C. 3. And at PARIS.



### THE "NORTH-SEVEN" CASH TILL,

IMPROVED MODEL.

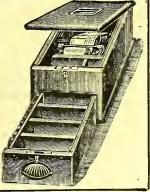
Made from well-seasoned wood, polished Mahogany finish. Size 19 x 10 x <sup>2</sup> in. Both lid and drawer fitted with lock. Recording paper [3] in. wide. Automatically rings warning bell each time cash drawer

Price £5. 15. 0 each. The "North-Seven" Till Coils, for use in above Tills, 6/- doz.

Sent on 14 days' trial, on receipt of Cash or two Wholesale Trade references. DUDLEY & COMPANY,

Holloway, London, N. 7.

City Showrooms : 25 WOOD STREET,





THE HAIR is sold in all parts of the United Kingdom.

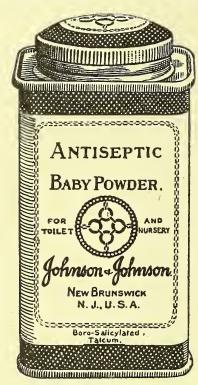
Sales run into millions annually. Reduced.

1½d Boxes Kolene 12/- gross 3d. 24/- " 1 oz. Pots 2 ... ... 96/- " These prices are strictly net-

KOLENE has a rapidly increasing SALE.

one of our travellers to call, or order direct from The KOLENE CO., 206 Stewart's Rd., London, S.W.

# SOLD THE WORLD OVER.



# Antiseptic TOILET & BABY POWDER

JOHNSON & JOHNSON British - Manufacture.

Made from the Best Talcums and Delicately Perfumed.

Bonus given for order of 2 gross and window display.

For particulars apply to-

JOHN TIMPSON & Co., Ltd. 104 Golden Lane - E.C. 1.

# To Satisfy your Customers - Is to Increase your Business

# LINARIS

- (1) Give absolute satisfaction-Guaranteed
- (2) Are prepared from the finest Drugs obtainable.
- (3) Show splendid profits to the Retailer.
- (4) Invariably bring repeat orders.
- (5) Are beautifully packed in Opaltopped Jars and large golden boxes tied with purple ribbon. Make a splendid counter show.

LINARIS Vanishing Cream

LINARIS Bath Powder

LINARIS Henna Shampoo Powder

LINARIS Camomile Shampoo Powder LINARIS Massage Cream

LINARIS Massage Cream LINARIS Tonic Cream

LINARIS Beauty Cream

LINARIS Face Powders

Profit of 333 /o

Send direct to

## LINARIS TOILET PREPARATIONS (Dept. X)

31 Westbourne Grove, London, W.2



Carriage paid on all orders over £5



# TWO DAINTY LINES THE BEST ON THE MARKET.



Now IN STOCK.
Packed in Prewar Style Aluminium Hinged
Boxes (enamelled
finish) and Show
Boxes of 1 dozen.

Per 6/- doz.

Actual size.



In Screw-top Boxwood Cases and Outers of 1 dozen with Showcards.

Per 4/- doz.

Manufactured by

SOLPORT BROS., LTD.
184-190 Goswell Road, London, E.C. 1.

Obtainable through all Wholesale Houses.



On the P.A.T.A.
Wholesale Minimum

No.	*.						Price Per Doz.	Retailing Price Each.
62	Crème	Malaceine,	Small s	size	-	-	21/-	2/6
63	<b>,,</b> -	,,	Mediu	m siz	e-	-	42/-	5/-
64			Large	,,	-	-	66/-	7/6
67	Poudre	Malaceine			-	-	34/-	4/-
71	Malace	ine Toilet S	oap	-	-	-	31/-	3/6
78	,,	Shaving	Soap	-	<b>.</b> ,		31/-	3/6

## SHOWCARDS SUPPLIED.

An extensive Advertising Campaign is now proceeding in all the principal Society Papers.

### SPECIAL TERMS-

Small quantities - - -  $7\frac{1}{2}\%$  1 Month £5 lots and upwards - 5% Invoice and  $7\frac{1}{2}\%$  1 Month

SOLE WHOLESALE AGENTS FOR

GREAT BRITAIN, IRELAND, SOUTH AFRICA and INDIA—



WILLIAM TOOGOOD LTD.

77, SOUTHWARK ST.
LONDON, S.E.I.



IVE it a good show and it sells itself. There is nothing just like it. The excellence of the product and the practicability of the box make customers for you.

Shows you  $33\frac{1}{3}\%$  on selling price.

# POUDRE NILDÉ

in the Sifter box.

Appeals irresistibly to every woman. The quickest selling line of face powder ever shown.

MINIMUM SELLING PRICES:

### ROUGE INVISIBLE NILDE POUDRE NÍLDÉ in the Sifter Box. in the Sifter Box. Small size 1/6 1/-Handbag size In leather case -5/6 Medium size 2/-Large size -3/6 Leather or fancy silk vanity Tints: cases, with mirror, small Brune & Blonde 5/-Large size 10/-Shades: Blanche, Rachel, Naturelle, Rosée, Basanée. EACH BOX ORDER THROUGH YOUR CONTAINS WHOLESALE HOUSE. A PUFF MUSTATO WELLMAN STATE

ET your stock ready to meet the demand we are creating. This product is as good as the face powder, and will sell as easily.

# CRÈME DE BEAUTÉ NILDÉ

A perfect product in a practical and attractive packing. Will be largely and widely advertised to the public for our mutual benefit.

A reproduction of the press advertising will be sent you on request to our agents.

Shows you  $33\frac{1}{3}\%$  on selling price.

MINIMUM SELLING PRICE 2/-

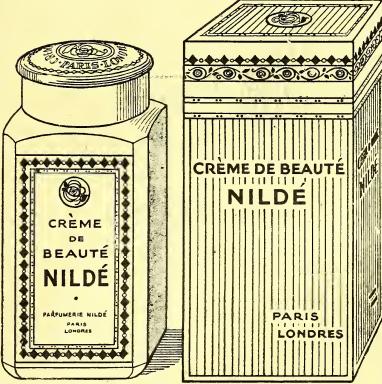
Large ... ... ... 3/

In two Shades:
Blanche and Naturelle.

# NILDÉ, Paris

British and Colonial Agents:

8 BLENHEIM ST., LONDON, W. 1.







BELDAM Rubber Sponges are better and last much longer than ordinary rubber sponges. They are made from the best red rubber. They are of a fine, soft texture, delightful to use.

They provide the perfect sponge for use in the toilet, the bath, the lavatory, the sick room or the surgery. Medical men recommend them. They are unaffected by boiling water or by strong disinfectant.

Address:

Rubber Sponge Dept., The Beldam Tyre Co. (1920) Ltd.
Brentford, Middlesex.



We Manufacture all we sell.

We have representatives in Manchester, Glasgow & Ireland.

Wholesale & Shipping only supplied.



MANICURE SETS

MANICURE PARTS

HANDLES

NAIL FILES

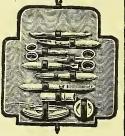


DRESSING COMBS

DUST COMBS

BRUSH BACKS

ERINOID ARTICLES



MYERS, LUMOS & CO., Ris Sales Offices - 68 Blackstock Rd., Finsbury Park, N.4.

Ring up North 2976.

Factories:
Islington & Finsbury Park, London, N.4.

# APOTHECARIES' HALL EXAMINATION

"THE WESTMINSTER CLASSES," Established 1900.
Miss C. D. WALKER, Secretary.

EFFINGHAM HOUSE, ARUNDEL STREET, STRAND, W.C.2.

Telegrams 1

30.secs 95 <u>- ۷-100</u> - 5 - 110

TRADE MARK : "THERMORIGI" REGISTERED

E. S. ARRIGHI.

CHEMICAL AND EXPERIMENTAL GLASS BLOWER AND 39 & 40 BOND STREET. BRIGHTON.

Member of British Lampblown Scientific Glassware Manufacturers
Association, Ltd., and Glass Research Association/

THERMOMETER MAKER,

Telegraphic Address: "Cresswell, Westcent, London."

WORLD'S HEADOUARTERS FOR

Telephone: No. 1432 Holborn

**SEASON** 1920.

INTERNATIONAL SPONGE IMPORTERS, LIMITED,

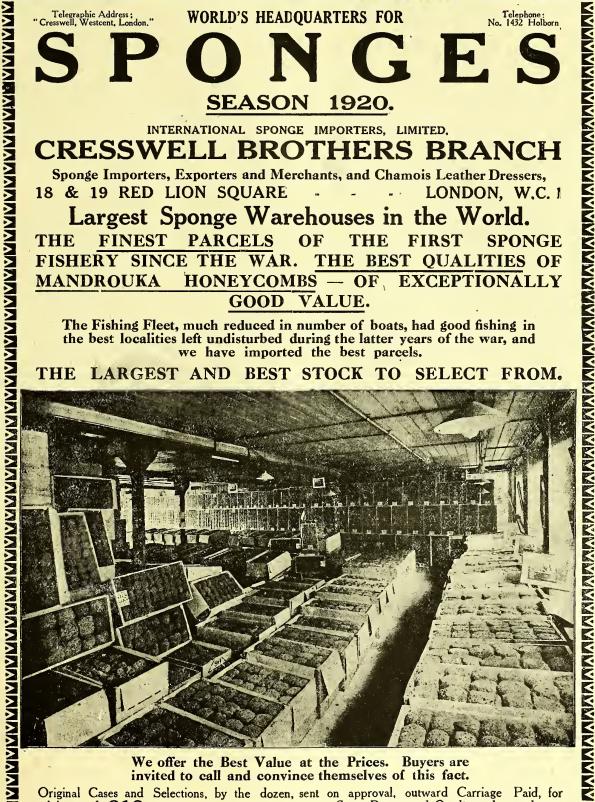
# CRESSWELL BROTHERS BRANCH

Sponge Importers, Exporters and Merchants, and Chamois Leather Dressers, 18 & 19 RED LION SQUARE LONDON, W.C. 1

Largest Sponge Warehouses in the World. FINEST PARCELS THE THE OF FIRST **SPONGE** FISHERY SINCE THE WAR. THE BEST QUALITIES OF HONEYCOMBS — OF EXCEPTIONALLY **MANDROUKA** GOOD VALUE.

The Fishing Fleet, much reduced in number of boats, had good fishing in the best localities left undisturbed during the latter years of the war, and we have imported the best parcels.

LARGEST AND BEST STOCK TO SELECT



We offer the Best Value at the Prices. Buyers are invited to call and convince themselves of this fact.

Original Cases and Selections, by the dozen, sent on approval, outward Carriage Paid, for minimum of £10.

State Prices and Quality when ordering.

# QUARANTEED PURE CENUINE NEW FOUNDLAND NON-EREMANCE MED CINAL (CO) HARR (OH)

It is perfection in colour, smell, taste and absolute purity. Manufactured from the finest fresh Cod Livers on same day as fish caught.

WHO DEAME ONE

JOB BROS, Manufacturers, Tower Building, LIVERPOOL

Telegraphic Address: "JOB LIVERPOOL." Tel.: 1039: CENTRAL

And of ST. JOHN'S, N.F.

Established: 1780.

"John



Bu

# MALT EXTRACT

# COD LIVER OIL

Does not separate.

Supplied in Bulk, Jars, Cardboard Containers, &c., for Wholesale and Export only.

PAINE & CO., LTD., ST. NEOTS, HUNTS.



British Owned and British Manufacture Entirely.

Ask your Wholesale Dealer for particulars.

Manufactured only by

# The Sign

There is a consistent demand for Kutnow's Powder, and Chemists who stock it find it a paying line to handle.

Not only is Kutnow's characterised by a huge percentage of repeat orders but, by publicity on a large scale and the distribution of thousands of free samples every month, it is being constantly brought to the notice of an entirely new public.

Some of these people may be customers of yours who have to go to your trade rival for their supply of Kutnow's. Your neglect is your competitor's opportunity, and you are running the risk of losing many a good customer entirely through not supplying an article they WILL have.

S. KUTNOW & CO. LTD. 41 Farringdon Road, London, E.C. 1.

# GELATINE CAPSULES

of all kinds attractively packed for retail in tins or boxes

ALSO

# CAPULVAE

Hand-made, freely soluble Capsules, containing medicinal substances in the form of dry powder, manufactured by our recently introduced process.

INQUIRIES SOLICITED 

JOHN W. MAWSON & Co. Ltd.

Manufacturing Chemists and Medicinal Capsule Makers

WEST NORWOOD ..... S.E. 27.

PROTECTS from all weathers, preserves the COMPLEXION SOFTENS ROUGH HANDS

FACE CREAM FOR THE SKIN

INDISPENSABLE IN THE HOME

For LIBERAL Wholesale Terms write to-THE MOKOL CO., 98 Hatton Garden, London, E.C.

# Always in Great Demand.

Price List on Application.

The Evan-Williams Co., Ltd., 18, Ogle Street, W.1

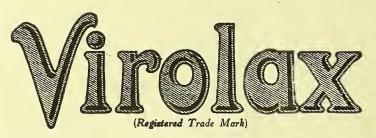
### IS YOUR WINDOW DISPLAY BETTER THAN YOUR COMPETITOR'S?

This is too important a question to be treated in a callous manner. To get the best out of your shop window you need at least one BETTERWAY Interchangeable Letter Sign on which your selling talk can always be presented attractively and in a dignified manner.

West-End Showroom - 77 New Oxford Street,

Illustrated Catalogue Free on Request.

EVENS, 4a Eagle Street, Kingsway, London, W.C. 2



# THE NEW LAXATIVE FOOD

# Extensive Advertising Campaign

A FTER prolonged and widespread clinical trial, both in Hospitals and by Medical Practitioners, we have decided to bring Virolax prominently before the Medical Profession.

We are addressing next week all the Medical Men in Great Britain and Ireland, and we propose to follow this up with free samples for trial.

This preliminary work will be followed up with large double column spaces in all the leading papers throughout the Country, commencing in October and continuing regularly throughout the next twelve months.

From the personal recommendation of those who have tried it, there is now a substantial demand for this preparation, and you have probably already received enquiries for it.

We anticipate, however, that as a result of the extensive campaign we are now entering upon, there will be an immediate and large demand, and we feel we may with confidence recommend you to requisition stocks at once, so that you may be in a position to meet all early enquiries.

Virolax is packed in 4 oz. and 16 oz. tins at 1/- and 2/8, and is supplied to the Trade in 1 dozen boxes at 10/- and 27/- per dozen. Terms: £3 orders carriage paid, less 5%. On orders over £5 an extra discount of 5% is allowed on condition that window display is made. These terms will also apply to combined orders for Virol and Virolax to the value of £3 and £5.

Show Cards and Advertising Material on Application

Virol, Ltd., 148-166, Old Street, London, E.C.1.

September, 1920.



# Silent Salesmen ---What use

do you make of them?

Showcards for inside displaywindow slips for attracting the attention of the passer-by.

They are valuable aids to building up any business — their work is silent but sure, they are trained for your business gratis.

Violiv specialists have just finished their 'Silent Salesmen' These plans. men are further willing to help with advice, but you are strongly invited to write for your supply of 'Silent Salesmen' for Violiv products. Their silence will most assuredly be golden—for you.

# A New Winter Line.

This new Violiv Product is unique in purity, flavour, and "punch"—and thereby supplies a long-felt want.



# QUENCHOLEEN

is a pleasing and delightful

### HOT FRUIT DRINK

and takes the leading place of the old form of Cordials and Syrups. It is a winner!

We have, as always, given special attention to YOUR PROFIT-for the Violiv policy is to secure and always maintain your CO-OPERA-TION by service, generous profits, and P.A.T.A. prices.

SECURE YOUR SUPPLY at once—send to-day for TRIAL ORDER.

SELLS FOR

6 dozen Cartons Each contains 13

If sold single packets

drinks @ 16/-... £4 16 0 5% 4 9 per dozen Less C.W. O.5%

@ 2d. ... £7 16 0

If sold in Cartons 7 4 0 £4 11

REALISES (Minimum)

...£7 ... 4 11 £2 12 9

Sole Agents-

## PATTINSON & MACKIE Ltd.

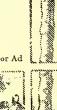
Albion House, 59 New Oxford Street, London, W.C.1.

Sole Manufacturers: Victiv Manufacturing Co., I.td., Edinburg'.

Nor Ad









NOTICE TO THE TRADE!

The Directors of the

BRITISH "ANTAPSAL "NASLAPPLANCE deasily or removed in a moment, and carried in a contribusing attention in the street, at work or asleep, and charge severy breath with a soothing health-restoring medicament. Quickly clears nose, throat and chest, relieve that without attracting attention in the street, at work or asleep, and charge severy breath with a soothing health-restoring medicament. Quickly clears nose, throat and chest, relieving stuffed no strils, and hard breathing. Can be applied easily or removed in a moment, and carried in discussions when the street, at work or asleep, and charges every breath with a soothing health-restoring medicament. Quickly clears nose, throat and chest, relieving stuffed no strils, and hard breathing. Can be applied easily or removed in a moment, and carried in a contribusion of the street, at work or asleep, and charges every breath with a soothing health-restoring medicament. Quickly clears nose, throat and chest, relieving stuffed no everywhere approved by medical men, the nobility, clergy, and others who have tried it.

SPECIAL OFFER TO CHEMISTS. 13 Boxes "Antapsal" 60/- net CASH WITH ORDER.

"CATARONOL" OUTFIT for Colds, Catarrh, Bronchitis, Stuffed Nostrils, Loss of Hearing, Hay Fever, Adenoids, Headende, Sore Throat, etc. etc.

"ASBRONATOL" OUTFIT for Chronic Bronchitis and Aathma.

TRADE DISCOUNT 20 %

The Appliance is in use in the leading Hospitals. Numerous testimonials have been received from eminent users.

Press, Advertising commances shortly, and all Chemists, Departments and the commandation of the comma





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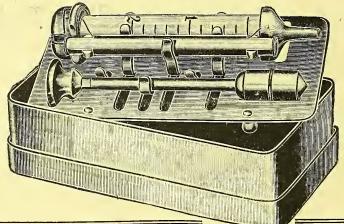
## **SYRINGES** RECORD

BRITISH MADE

BRITISH MADE

These Syringes are made throughout in our factory in Birmingham

Guaranteed absolutely accurate and of high-class finish and quality.



REPAIRS A SPECIALITY

All repairs to be sent direct to

BROOKVALE WORKS, Brookvale Road, WITTON, BIRMINGHAM

HARVEY FREE, LTD.

15 BATEMAN STREET, DEANST., LONDON, W.1.

AND AT BIRMINGHAM.

# WHOLESALE & EXPORT ONLY.

# SUPPORT HOME INDUSTRY.



Shaving Mirrors

MANUFACTURED BY

HUKIN & HEATH

LIMITED,

BIRMINGHAM.

In many varied Designs.

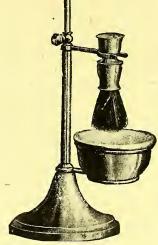




UNEXCELLED IN

FINISH, DURABILITY & VALUE

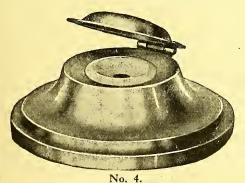
PROMPT DELIVERY,



No. 12.

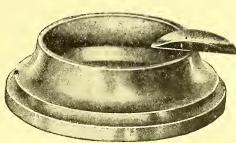
No. 21.

INKSTANDS AND ASH TRAYS



IN NICKEL, SATIN, OR POLISHED BRASS, OR ANTIQUE

FINISHED



No. 6.

SHOWROOMS: 19 Charterhouse St., London, E.C.1. HOLBORN 1226. CITY 6113 & 6114.

FACTORY: Imperial Works, Ct. Charles St., Birmingham. CENTRAL 1707 & 1708.

WHOLESALE & EXPORT ONLY.

SPECIA	L NOTI	LE IO	PHARMAC	1212
From OCTOR			is now assured to Reta OUND ESSEN LINSEED	
1	d their other I		de Mark) \PREPARATIONS.	
Re	the P.A.T.A., the rev Old tail Price.  113d. 1/3 3/- 5/- 2/-	New Retail Price (P.A.T.A.) 1/3 2/- 4/6 7/6 18/-	Wholesale Price (in Great Britain) (P.A.T.A.) 11/3 18/- 40/6 67/6 162/-	etober, 1920
of each size requir N.B.—Every bottle distributed to	ed. e of Kay's Linseed C o the public by Quali	Compound is manufac	varded on stating approxima etured under the supervision handling Kay's Linseed Con on.	n of and i

DISINFECTANTS

OF ALL KINDS.

Disinfecting Fluid,
Co-efficient Disinfecting Fluids,
Carbolic Acid (CRYSTALS),
Cresylic Acid,
Naphthaline,
Lysol, and
Disinfecting Powders.

The "KILLGERM" Co. Ltd.
CLECKHEATON.

Telegrams:
"Disinfect Cleckheaton."
Codes: ABC and Bentley's

The "Codes: ABC and Bentley's

The "ABC and Bentley's

The "Codes: ABC and Bentley's

The "Codes: AB

Scotch Sanitary Inspector writing to another, says— 26/5/20

"I have experimented with several Rat Poisons, and have come to the conclusion that there is nothing hetter than the old and tried favourite 'RODINE.' This is the only Rat Poison which I have found to be absolutely reliable, and I therefore stock nothing else. We have suhmitted it to every test, and it has never once failed to do the work claimed for it. The results secured hy its use have heen most gratifying, and the firms here to whom I have supplied it are enthusiastic about it."

### "Absolutely Reliable, I therefore stock nothing else."

"RODINE" is proved by thousands of Chemists to be the most profitable and the most efficient Rat Remover. It gives the maximum results with the minimum of trouble to both Customer and Chemist. Requires no signature, yields nearly 100% Profit. Send for carriage paid order to-day, send 20/-.

POST YOUR ORDER NOW TO THE MAKER-

Manufacturing

# For JUST what YOU WANT

# GLASSWARE

# OF EVERY DESCRIPTION and FOR ALL PURPOSES

JULES LANG & SON hold huge stocks in the Provinces ready for immediate local delivery, and in their North and West London Depots approximately

are available. No other firm can claim to hold such a general stock in the Kingdom. NEARLY all your needs can be met on request. Limes, Medicals, Vials, Tobins, Mexicans, Cheltenhams, Male and Ear Syringes, Kalis, Opal Pomades, Flint Pomades, Smelling Salts, Panels, Cannons.



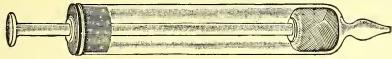


Lime



Medical

Tubes of all sizes, Test Tubes, Douche Linings, Burettes, Separating Funnels and many other lines in Chemical and Laboratory Glassware.



Syringe

WHOLESALE ONLY. NO RETAIL FIRMS SUPPLIED.

# JULES

CHARLTON WORKS:

Charlton Place, Islington

LONDON, N. I.

Telegrams: "Assorted, Phone, London."

Telephones: North 2770-2 (three lines).

# WE INVITE YOUR ENQUIRIES

## FOR THE FOLLOWING

ASPIRIN, BISM. CARB. P.B., CAMPHOR, POT. BROM. P.B. FERR. ET AMMON. CIT. P.B.

EXT. CASCARA LIO. P.B.

**QUIN. SULPH. P.B.** 

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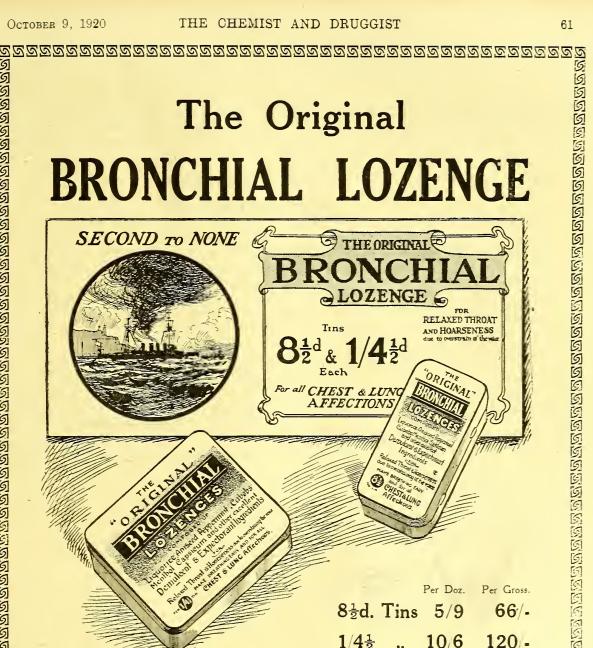
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The Acme of perfection in Salines. Sells at 3/3 a large bottle (P.A.T.A.).

These products simply will not stay on the shelf.

NOTE.—The following statements were sent us without solicitation of any kind.

Mr. Chas. Robertson of St. Andrews, wrote us saying that our products were proving so restless that he had difficulty in keeping them on his shelf. He had just made three sales within 15 minutes. Mr. J. L. Lewis of Harlesden, and many other Chemists have also written us telling of similar experiences.

In a recent advertisement we reproduced Mr. Robertson's letter in facsimile, and Mr. A. W. Cornish of Bristol, after reading that announcement, now writes us to say he has eclipsed even Mr. Robertson's record, having himself made four sales in five minutes.

By special permission, we reproduce below, in full, the letter which Mr. Cornish has kindly sent us.

> The Oxford Pharmacy 188 Lower Ashley Rd. BRISTOL

Mesers Saltrates Ltd. 212/214, Gt Portland St,

April 24th. 1920:

Dear Sirs:- I was reading through reproduction of Mr Robertson's (St Andrews) letter on page twelve of to-day's date Chemist & Druggist and I think this afternoon I surpassed his feat, in my shop as above. Four customers following, purchasing Saltrates preparations, as follows.

2/- Reudel Bath Saltrates five 3/3 Alkia Saltrates 2/- Reudel Bath Saltrates

Later on in the day I was asked for another 2/- size Reudel, but in this case the customer would not take the 3/3 size, so I missed the sale, having just sold the last small package. I am quite prepared to admit that this is a coincidence that does not often occur, and probably was in part due to other brother Pharmacists being "Sold But your preparations are always good sellers with me. I thought the foregoing would interest you, and it is out".

absolutely authentic, as my Lady Assistant can witness. If the "Tale wants adorning" and I may "point a moral", I would say never load up your shelves with goods that stick there, but to borrow Wr Robertson's "natty" phrase fill up with "restless" goods, which are restless to the point of removal for "Cash Till Food".

With compliments,

Yours faithfully, Who Cornish



# Child Welfare

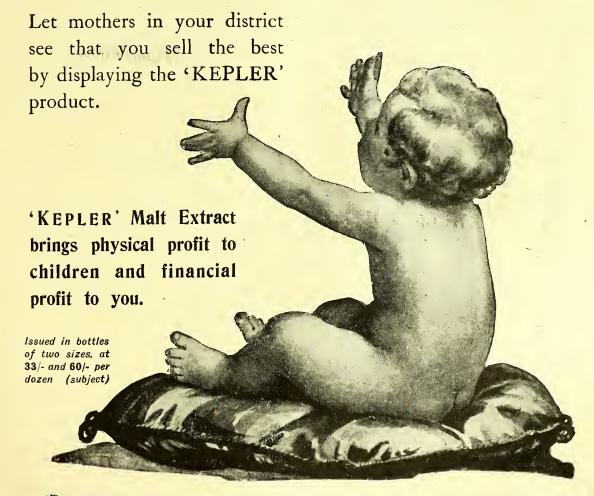
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Registered Chemists only supplied.

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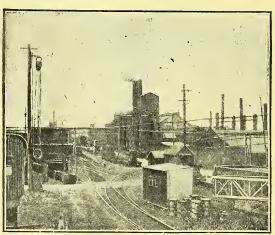
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### Known, Admitted, and Approved Remedies.

FOLLOWING the practice which we started some years ago we propose to reserve space in the forthcoming issue of we propose to reserve space in the forthcoming issue of The Chemist and Druggist Diary, 1921, for the registration of formulas for, "known, admitted, and approved remedies." Under the Medicine-Stamp Act, 1812, such medicines, when sold by chemists, are exempt from medicine-stamp duty so long as the formulas are contained in recognised works of reference. A clear indication are talked of the medicine and the cline are talked of the medicine. tion must also be given on the label of the medicine to the published formula as evidence that the medicine is of the kind to which the exemption refers. The Chemist and Druggist Diary was the first book of reference recognised by the Board of Customs and Excise, after the "British Pharmacopœia," and the Diary, being published periodically, affords an exceptional opportunity for chemists to add any fresh formulas for medicines coming within the definition of "known, admitted, and approved remedies." Chemists who desire to take advantage of this arrangement should forward true copies of the formulas with the titles and directions for use so that we can include these in the *Diary*. We shall attach the correct reference numbers to the formulas when they are published. The formulas, which must be written on one side of the paper only, should be sent not later than October 15, addressed to the Editor, C. & D., 42 Cannon Street, London, E.C. 4.

## English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

### London Chemists' Retail Price List.

The following are among the alterations in price in the current issue of the London Chemists' Retail Price List: Drugs.—Ac. citric., 9d. oz.; ac. tartaric., 6d. oz.; bism. carb., 4d. dr.; ext. casc. sag. liq., 6d. oz.; hyd. iodid. rub., 7d. dr.; lini sem. contus. opt., 1s. lb.; lin. camph., 8d. oz.; liq. bism. et amm. cit., 3d. oz.; mag. cit. eff., No. 1, 5d. oz.; menthol, 1s. dr.; methyl salicyl., 1s. oz.; opt. tart. acid. 5d. oz.; reception. salicyl., 1s. oz.; ol. limonis (Palermo), 5d. dr.; potbrom., 6d. oz.; pot. tart. acid., 5d. oz.; resorcin., 8d. dr.; santonin., 5d. gr.; sodii et pot. tart. pulv., 4d. oz.; sp. camph., 1s. 1d. oz.; syr. anant., 8d. oz.; syr. limonis, 5d. oz.; syr. scillæ, 3d. oz.; syr. tolut., 4d. oz.; tinct. benz. co., 11d. oz.; tinct. cinchonæ co., 10d. oz.; tinct. gent. co., 6d. oz.; tinct. myrrhæ, 1s. 1d. oz.; tinct. quin. anim., 8d. oz.; vin. ipecac., 7d. oz.; zingib. rhiz. Jam. pulv., 6d. oz. Packed Goods.—Chemical food, 4-oz. bot., 1s. 6d., formalin. tablets. 50. bot. 1s. Veterinary Sec. 1s. 6d.; formalin tablets, 50-bot., 1s. Veterinary Section.—Lini sem. contus., 10d. lb.; pot. nit. pulv. com., 1s. 10d. lb. Photographic Section.—Amidol, 4s. 5d. oz.; hydroquinone, 1s. 7d. oz.; magnesium powder, 3s. 9d. oz.

### Public Institution News.

Applications for posts in public institutions are far in excess of the vacancies, most of the applicants being newly qualified ex-Service men who do not relish the hours and restrictions of retail business. In the case of prospective proprietors, there is the fact to be reckoned with that the capital necessary for starting or acquiring a business is not a small item.

The following tenders have been accepted by the bodies named:

Bridge Guardians.—Mr. J. Barron, chemist and druggist, drugs.

Clitheroe Guardians .- Mr. J. Harrison, chemist and druggist, drugs, etc.

Gainsborough Guardians.-Mr. J. H. Boon, chemist and druggist, cotton-wool, lint, ointments, etc.

Hemel Hempstead Guardians.—Mr. H. L. Spink, chemist and druggist, Tottenham Court Road, London, W., dressings, etc.

Milton Regis Guardians.—Usher's Drug Stores, Ltd., Sittingbourne, drugs, etc.

North Bierley Guardians.-Harrison, Parkinson & Co., chemists, Bradford, drugs, etc.

St. Pancras (London) Guardians.—Thes. Hodgkinson, Prestons & King, drugs; Sangers, proprietary articles; S. Maw, Son & Sons, Ltd., surgical instruments; Arthur Berton, Ltd., Ford, Cook & Co., Ltd., B. Pratt & Co., and Sangers, dressings.

West Bromwich Guardians.—Southall Bros. & Barclay, Ltd., Birmingham, drugs.

### Fires.

The following outbreaks of fire have been recorded since our last report :

A fire broke out at the premises of the Brownhills Chemical Works Co., Brownhills, on October 1, but was soon extinguished.

Damage was caused by fire to the premises of Thos. Hill-Jones, Ltd., charcoal manufacturers, Bow Common Lane, London, E.C., on October 3.

A serious fire broke out, on October 2, at the chemical-works of Spencer Chapman & Messel, Ltd., Stratford, London, E. Considerable damage was done to the buildings. The cause of the outbreak is unknown.

An outbreak of fire occurred on the premises of Needhams, Ltd., chemists, Newington Butts, London, S.E. 11, recently. A defective electric circuit is believed to have been the cause. Considerable damage was done in the upper part of the building. C C

### Wholesale Druggists' Cricket Championship.

The result of the Wholesale Druggists' Cricket Championship matches for the past season is as follows:

	]	${f Played}$	Won	Lost	Drawn	Points
"Allenburys"		8	7	1	0	14
May & Baker	•••	8	6	2	0	12
"Burgoynes"		8	3	5	0	7
Stevenson & Howell	***	8	3	5	0	6
"B.D.H."	•••	8	0	7	1	1

" Allenburys" are the winners of the challenge cup for the fourth time in succession.

### House-organs.

The following are among the house-organs that have reached us during the month:

"Trade Notes" (Rajar, Ltd., Mobberley) for October is in a measure a sequel to the previous issue, as it contains notes on producing sepia tones in gaslight prints. The experience of the proprietors is that gaslight papers are ousting bromide papers in popular favour.

"Reflections" (The Icilma Co., Ltd., London, N.W. 1) is always interesting. The current number contains an article on "A Nation of Economists," by Sir Walter de Freece, M.P., who enforces the need for increased production. Window-dressers will be attracted by the illustrations of Icilma cream showcards and Icilma nalpolish; the latter is suggested as a profitable side-line.

The October number of "M.S.S.", the house organ of S. Maw, Son & Sons, Ltd., 7 to 12 Aldersgate Street, London, E.C.1, marks the completion of the first decade of this publication. The opportunity has been taken of infusing new life into the journal. The October number has a frontispiece with the statuesque figure of the discus thrower trade-mark as the chief feature. A pale olive-green tinting has been used as shading, and for capitals throughout the "M.S.S." The introductory article reiterates the objects of the publication, and information in an attractive form is given about the newer productions of the House of Maw.

"Glaxo Service Bulletin" (Glaxo, London, W. 1) for October contains a prize examination paper written for a salesmanship competition, a "Glaxo Mothers' Help Bureau" section, a correspondence section, and other features. An article by Mr. Herbert Skinner, entitled "A Modern Price List," deals in an interesting fashion with the principles that should guide the compilation of a retail price list. Mr. Skinner, after glancing at some of the difficulties of fixing ratios of profit, remarks: "The modern price list is a much more complicated affair than its predecessors. It has not yet reached the standard desirable, especially in the departments covering all the requirements of the trade, the costs at present are too great. There is much more to be done, and by cultivating these sections, a list fully developed would cover all the side-lines and show where the progressive phermacist could adapt himself to the needs of his district."

### Anthrax in Shaving-brushes.

The Westminster coroner concluded, on October 1, his inquiry with reference to the death of Robert Hunter, who died on September 22 from anthrax contracted through using a shaving-brush (C. & D., October 2, p. 56). Mr. Maurice James Healey, chemist and druggist, Uxbridge Road, W., stated in evidence that he sold Mr. Hunter a shaving-brush on September 13. the last one of the kind that he had in stock, and witness recommended it because he had been using a similar one for fifteen months, and had found it satisfactory. Witness took over the business from his brother eighteen months ago, when there was a dozen of the brushes in stock. Mr. Reginald John Healey, chemist and druggist, said that he was a partner in the firm of wholesale chemists who supplied his brother with shaving-brushes in 1919. As a result of a communication received from the Ministry of Health, witness wrote to all the chemists he had supplied, and collected a large number of the brushes. Dr. James B. Howell, medical officer of health for Hammersmith, said he had seized brushes supplied by Mr. Reginald Healey's firm to other shops. The local authorities sometimes compensated chemists for brushes

that had been seized. On February 9 an Order in Council came into force prohibiting the importation of Japanese shaving-brushes. Dr. Reginald Robert Elworthy, bacteriologist at the West London Hospital, stated that he had examined the shaving-brush used by the deceased, and found it richly infected with anthrax. Authrax spores could not be destroyed by ordinary antiseptics; they were extraordinarily difficult to destroy. for half an hour might kill them, but that would destroy the brush. Dr. Thomas Carnwath, medical officer to the Ministry of Health, giving evidence as to the steps taken by the Government to safeguard the public from anthrax, said it was discovered that a certain number of Japanese brushes were infected, and they tried to trace it upwards towards the importers and downwards to the retailers. The list he now produced would show the perplexity of the operation. Judging from the Ministry's large experience, it was practically impossible to trace the brushes in the country, as there was no means of identifying them. The Coroner: What suggestion can you make to guard people from the danger of these brushes?—We have had to rely on the Press. I think a repetition of the notice published on January 6 would be a most healthy thing. There are many dangerous brushes about that might be Japanese or We have had some suspicion with regard to English. certain English-made brushes, so that for some time a person who buys a cheap shaving-brush will be running some risk. The Anthrax Committee suggested that brushes should be treated with warm water, soap, and a little soda, and allowed to dry, but one cannot guarantee Mr. Reginald Healey, recalled, said he disinfection. had recently been on the south coast and seen hundreds of these brushes in chemists shops. He warned the people of the danger of selling them. Dr. Carnwath added that some Japanese shaving-brushes were accompanied by a certificate of freedom from anthrax, but those very brushes were found to be heavily infected. Mr. Healey mentioned that there was a cream on the market that would obviate the use of shaving-brushes. The coroner said it was a very important case, and he had gone into it at some length to see whether there were any precautions that could be taken to prevent a He hoped that, when they read of this case, chemists would withdraw the brushes from sale, and he thought it would be a good thing if the authorities allowed them compensation for surrendering them. Answering a question, Dr. Carnwath said there had been twenty-two cases of this kind and six fatalities. The coroner recorded a verdict of "Death from misadventure from toxamia following anthrax contracted through using an anthrax-contaminated shaving-brush of Japanese origin."

Birmingham.

Three advertisements for lady pupils at the local hospitals have appeared in the daily press during the week.

Philip Harris & Co., Ltd., manufacturing chemists, are exhibiting at the Sanitary Congress Show in the Bingley Hall.

The police-court investigation into the charge against Phineas Keats (C. d. D., October 2, p. 55) has been concluded, and the accused has been committed for trial.

A number of houses have been broken into during the occupiers' absence of late. One of the recent victims was Mr. John Wakefield, Ph.C., who was away for a holiday at the time.

. Birmingham University is making an appeal for 500,000%. An emergency expenditure of 15,000% is being undertaken for temporary laboratories, and a large outlay on equipment has become imperative.

### Leicester.

The course of study for ex-Service students of pharmacy at the Municipal Technical School commenced on October 4. The Vice-President, treasurer, and secretary of the Leicester and Leicestershire Pharmaceutical Association were present to give the students a welcome to the city. Each of the three pharmacists impressed upon the students the value of the tuition given at the Municipal

Technical School, and assured them of sympathetic help from the local pharmacists. The students were also invited to attend various lectures which are to be held in connection with the Association during the coming winter. The head-master (Mr. Hawthorn) briefly acknowledged the invitation. Mr. David Page, Ph.C., who received the Pereira Medal of the Pharmaceutical Society on October 6, attended classes at the Leicester School during his apprenticeship (see p. 77).

### Liverpool.

Mr. David Bowlas (representative of Meggeson & Co., Ltd., London) has removed from Thornton-le-Fylde to 24 Falkner Square, Liverpool.

Mr. W. H. Saunders, chairman of Ayrton, Saunders & Co., Ltd., has offered three prizes in an essay competition, open to the whole staff, on "Our export business."

Mr. W. H. Clubb, Vice-President of the Liverpool Chemists' Association, is to be nominated this month for the presidency, and Mr. J. L. Hirst for the secretaryship.

Mr. J. G. Tringham (Macleans, Ltd., London) has been revisiting Liverpool on business. He has renewed acquaintance with his colleagues at Ayrton's, and attended a social gathering chronicled this week (on p. 73).

Mr. W. S. Corkill, Old Hall Street, has acquired, as a branch, the pharmacy at 26 Liverpool Road, Great Crosby. Mr. Arthur Clay, the former tenant, has entered the employ of Mr. G. H. Cole, Blundellsands.

We learn that Mr. William P. Eyans, J.P. (chairman of Evans Sons Lescher & Webb, Ltd.), will shortly give a dinner at the Exchange Station Hotel, to the local Reception Committee of the British Pharmaceutical Conference.

Symes & Co., Ltd., ask us to correct a wrong impression, given in this column last week, that Clay & Abraham, Ltd., are taking over both Messrs. Symes's pharmacies. It is only the branch at 13 Tithebarn Street which Clay & Abraham have purchased.

### Shoffield.

A whist-drive and concert, to take place in November, is being arranged by the Sheffield Pharmaceutical and Chemical Society.

Mr. G. B. Brook, F.I.C. was presented with a silver tea-tray on his departure from Sheffield to take up his duties as chief chemist to the British Aluminium Co., Ltd.

Little progress has, up to the present, been made here with the war-services record. The Pharmaceutical Society's instructions, if carried out, involve communication with every chemist in the district.

A strong appeal for immediate action in the interests of chemists threatened by the Proprietary Medicines Bill has been forwarded to the Pharmaceutical Society. Local members of Parliament are also to be approached on the subject, if necessary.

The local pharmacists' and assistants' section of the Workers' Union has approved of the hours and wages programme put forward by the Union. It was also suggested, at the same meeting, that a scheme for the limitation of apprentices should be introduced as soon as possible.

The reference in this section of the last issue of the C. & D. to Messrs. Newsholme's old pharmacy has prompted an assistant of many years' standing in another Northern city to recall the names of a number of Sheffield pharmacists in business half a century ago or thereabouts. Radley, Turner, Wilson, Cubley, Preston, Jepson, Learoyd, Dobb, Hudson, and Bywater may be mentioned, together with Outwin, of Rotherham. One at least of these is still, happily, with us, and several are represented by their sons.

### Miscellaneous.

Poison-Licence Application.—Abol, Ltd., Beltring, Paddock-Wood, have applied for a licence under Section 2 of the Poisons and Pharmacy Act, 1908.

PARCEL POST TO SERBIA.—Parceis (except those containing certain "luxury" and similar articles) may now

be sent by post to the kingdom of the Serbs, Croats, and Slovenes. The rates of postage are as follows: Not exceeding 3 lb., 1s. 11d.; 3 lb. to 7 lb., 2s. 3d.; 7 lb. to 11 lb., 2s. 7d.

IN THE COURTS.—At Oldbury (Worcestershire) Police Court on September 29, John J. Holyhead (twenty-six), motor mechanic, was committed for trial on charges of supplying a noxious drug to a young woman and of causing her to take it. It was stated on behalf of the Public Prosecutor, that a bottle containing liquid and a box of capsules had been supplied to the woman by the accused.—At Reading Police Court, on October 4, Beatrice S. Ritchiesan was sentenced to two months' hard labour for stealing cau de Cologne and other articles, value 21. 10s., from the shop of Boots, Ltd., Broad Street.— At Guildhall Police Court, London, on October 5, Henry Charles Jeffries, Camberwell New Road, S.E., described as an engineer, was charged with attempting to obtain 2001. by false pretences from Arthur G. Loton, Eastbourne. The prosecutor deposed that the accused represented himself as being a soap and germicide manufacturer at Widnes, and offered him a post as manager, the 2001. to be a deposit as guarantee. Other witnesses were called, and the accused, who was eventually committed for trial, cross-examined to show that he intended taking up an agency for the Vermicol Chemical Co., Oxford of the vermical Chemical Co., Oxford Street, W.—At Marlborough Street Police Court, on October 5, Frederick Hauliback, giving an address in Hampstead Road, N.W., was remanded on a charge of having been in unlawful possession of two "packets" of cocaine, one of which, a detective stated, was disposed of but the purisance for 5. by the prisoner for 5s.—During the hearing of a case at Thames Police Court on October 5, in which four Chinamen were convicted of being in possession of opium and opium-smoking utensils, a police witness stated that on the premises in which the men were arrested there was discovered a bottle containing a liquor composed of opium ash and alcohol. The witness explained that those who had been upset by opium-smoking took this mixture as a pick-me-up.—At Mansion House Police Court, on October 6, Mildred Barnes, a forewoman, was sentenced to two months' hard labour for embezzling and stealing sums of money, estimated at 60l., belonging to Thomas Christy & Co., manufacturing chemists, Old Swan Lane, E.C., her employers.

# Irish News.

### Council Election Result.

At the annual meeting of the Pharmaceutical Society of Ireland held in Dublin on October 4 the result of the ballot for the election of seven members of the Council was disclosed. The following were declared elected: Messrs, J. Carroll Culbert, G. A. McLean Lee, Wm. F. Wells, George D. Beggs, J. Edgar Connor, T. F. Storey, and A. Owen Wells. The report of the meeting will be printed next week.

Mr. J. Carroll Culbert, Ph.C., Connswater, Belfast, who headed the poll, is well known in pharmacy in the North of Ireland. He was for eight years an apprentice and assistant with Dr. Ward, Lisburn, and was then for twelve years manager for A. Boyd & Co., Ltd., Lisburn. Fifteen years ago he took over the business of Mr. S. C. Nicholl, at Connswater, Belfast, and has since carried it on. Mr. Culbert was one of the founders (and vice-President) of the North Irish Pharmacists' Association, and helped to reorganise the Ulster Retail Drug-trade Association, of which for two years he was hon. secretary. He also represents pharmacy on the Belfast Chamber of Trade, and looks after the interests of discharged soldiers and sailors belonging to the drug trade on the Interviewing and Appeals Boards of the Ministry of Labour. Many other departments of public life also engage the attention of Mr. Culbert, and during the war he joined the Belfast Volunteers and St. John Ambulance, doing duty at the docks and hospitals. This is Mr. Culbert's first appearance as a candidate for

pharmaceutical honours.—Mr. Thomas Fred Storey, R.D., the other new member of the Council, is the founder and director of Fred Storey, Ltd., chemists and surgi-cal-instrument makers, 14 Alfred Street, Belfast, and is President of the Chemists' and Druggists' Society of Ireland. He served his apprenticeship with John Clarke & Co., Ltd., Belfast and Dublin, and was that company's drug representative when it was wound up in 1911. Thereafter he started business for himself as a manufacturing chemist, wholesale druggist, and surgical-instrument dealer in Alfred Street as Fred Storey, Ltd. Mr. Storey is officer commanding the Belfast squadron of the Legion of Frontiersmen, and during the war raised a company of recruits for the 25th (Frontiersmen) battalion Royal Fusiliers for service in East Africa.

### Brevities.

The Committee of Management of the co. Down Asylum has accepted the tender of Mr. Roden Johnston, Ph.C., Downpatrick, for the supply of medicines for the six months ending March 31, 1921.

On severing his connection with Hayes, Conyngham & Robinson, Ltd., Grafton Street, Dublin, Mr. Robert Toal was presented with a wallet of notes by the staff. Mr. W. M. Smith, director, made the presentation.

In the reprisals for the murder of a military sergeant at Mallow, last week, Wrixon's Medical Hall was burned down. Mr. J. W. O'Connell's Medical Hall was severely damaged, and Dr. Walsh's Medical Hall also suffered.

Frizell & Co., chemists, Waterloo Place, Londonderry, have disposed of their business to Mr. Arthur E. Dickson, Ph.C., who will continue it under his own name. The business has been carried on for many years by Dr. Frizell, who is retiring.

At Londonderry County Council, recently, Mr. J. E. O'Neill, J.P., R.D., Maghera, proposed a resolution expressing pleasure that after more than ten years' consideration the Department of Agriculture had discovered the possibilities of successful sugar-beet production in Ireland, and stating the Committee saw no reason why the Department should not proceed with the project with as little delay as possible. The resolution was adopted.

### Belfast.

The Committee of Technology of Queen's University, Belfast, has decided to create a Faculty of Applied Science and Technology in the University in association with the Belfast Municipal Technical Institute. Students of the Municipal Technical Institute may qualify for the degree of B.Sc. by a course of study in the evening extending over a period of five years.

The chief tuberculosis officer of the Corporation of Belfast has recommended that a part-time woman dispenser at the sanatorium, with the necessary qualifications, be appointed, who could, in addition to dispensing, carry out, with a little training, the work of routine bacteriology. Such an assistant could, when not engaged in this work, assist with the clerical work of the The Tuberculosis Committee has adopted department. the recommendation.

# Scottish News.

### Brevities.

Mr. J. Rutherford Hill, Ph.C., is to lecture to the young people's league of the Renfrew North U.F. Church.

Bailie W. A. Ness, chemist and druggist, one of the retiring members of Aberdeen Town Council, does not, it is understood, intend to seek re-election.

The expeditionary staff of the Scottish Spitzbergen Syndicate, Ltd., returned to Scotland from Spitzbergen on September 29. The expedition has been investigating on September 29. The expedition has been investigating the company's properties, and the results are stated to be gratifying, though's full report has yet to be drawn up. The "Scottish Wholesale Druggists' Patent Medicines

and Proprietary Articles Catalogue" has just been issued.

It will be forwarded by each wholesaler to his respective customers. Alterations and additions will be made from time to time. Fourteen wholesale houses are concerned in the compilation of the list.

Being regarded as a man of much learning and ability has its disadvantages. Such, at any rate, is the opinion of a Scottish chemist, who was recently handed a loaded revolver and requested to fire it off in order to avoid danger. Other queries satisfactorily answered over the counter in the course of the day's (or, at any rate, a few days') work were: The law as between landlord and tenant in the case of a broken window; the nature of an insect displayed in a box; and whom to invite to a funeral.

### Chemists at Golf.

An interesting golf match, played on the Gleneagles course on September 29, between the Dundee and Glasgow pharmacists, resulted in a win for the former. Play was as follows:

Dun	DEE.			Glasgow.	
A. H. Ross a	and A.	T.			
Barrie			1	M'Kenzie and Jack	0
				Sievwright and Houlis	
J. Wilson an	d Ren	nett	1	Walker and Clark	0
J. Anderson	and	J.			
Thomson			1	M'Vitie and Garrow	0
				Kilchant and Forbes	
J. Robertson	and	J.			
Smith			0	M'Master and Cromb	1
		~	_	-	-
Total			5	Total,	1

### Aberdeen.

Barrels of benzoline are among the articles washed away from a local factory by a flood on October 5. The loss is estimated at 10,000l.

The Northern Co-operative Society, Ltd., announces a turnover in the drug departments of 25,203l. for the twelve months ended August 31, with a net profit of 3,1721.

### Dundee.

Mr. Henry Geake, chemist and druggist, 6 Whitehall Street, whose premises were recently sold, has acquired the business of the late Mr. D. J. McKinnon, Brompton Place, Hawkhill, and expects to remove his business in November.

Mr. David Henry Nagel, Vice-President and senior there of Trinity College, Oxford, whose death has lately been announced, was the son of Mr. Henry Nagel, of Dundee. Mr. D. H. Nagel was a Fellow and science tutor at Trinity College for many years, and was previously assistant to Professor H. B. Dixon and to Sir John Conroy.

### Glasgow.

Mr. J. G. Gray, D.Sc., has been appointed to the Cargill chair of applied physics at the University. Dr. Gray is the son of Professor Gray, F.R.S., the professor of natural philosophy in the University.

The city analyst (Mr. F. W. Harris) and the city bacteriologist (Dr. R. M. Buchanan) have been giving evidence before the committee which is investigating the causes and effects of impure air. The analyst condemned coal fires.

The Pharmacy Athletic Club (Bowling Section) played the final of the single-handed competition for the "Greig" Trophy on Wellcroft Bowling Green on September 30. The competitors were Mr. C. Finlayson and Mr. C. B. S. Lee. It was a well-contested game resulting in a win for the former by 21 shots to 17.

VANILLA.—The yield of vanilla in the various French possessions in the Indian Ocean for the 1919-1920 season is estimated to amount to: Madagascar, including the Comoro Islands, 936,937 lb.; Reunion, 98,414 lb. The production of Mauritius is estimated at 2,646 lb., and a report of the Governor of the Seychelles Islands places the yield in the Archipelago at 6,614 lb. during 1919.

# Colonial and Foreign News.

CZECHO-SLOVAKIA.—The chemical industry at present gives occupation to 25,000 workmen, engaged in the manufacture of sulphuric acid, artificial manures, soda, and various salts. The annual production of ammonium sulphate amounts to 20,000 tons; there are also ten mineral oil-refining works, turning out 6,000 cisterus of

Swiss Exports.—The Swiss Federal Department cf. Economics has issued a general licence permitting the export, from September 15, of the following chemicals: Lead articles, also in combination with other materials, castor oil (colourless, purified), artificial foodstuffs—such as somatoses, nutrol, etc.—boric acid, sodium arsenite (liquid), sodium sulphate and bisulphate, borax, ammonium chloride, solution of ammonia, oxalic acid, potassium oxalate, ether, acetic ether.

SUNDAY SERVICE IN SPAIN.—The pharmacists of San Sebastian regularly advertise in the local paper, the "Voz de Guipúzcoa," the hours of pharmaceutical service on Sunday. A list is given of the pharmacies that are to be open between the hours of 9 a.m. and 9 p.m. These pharmacies will give night service, only for medical prescriptions, during the week. No other calls will be attended to than those of the "sereno" (night watchman). All attendance, while the pharmacy is closed, is surcharged 35 per cent. to compensate for the extra duty imposed on the assistants.

German Potash Salts.—The German Potash Syndicate, in the course of its annual report for 1919, states that the sales amounted to 798,700 tons, compared with 985,400 tons in 1918. They showed a decrease also, amounting to 189,000 tons, on the 1917 figures, and compared with 1913 the deficiency was no less than 293,000 tons. The distribution is shown in the following table:

			1913	1919
Germany			 600,000	627,000
Great Britain			 29,000	10,120
Holland			 43,000	30,200
Scandinavia and I	)enma	rk	 33,60)	55,100
United States and	Hawa	ii	 244,360	69,000

The first shipments to Great Britain, the United States, and oversea countries took place in July, and exports have since been steadily increasing.

A SWEDISH DRUG MONOPOLY.—Some concern is being manifested in pharmaceutical circles in Sweden owing to the gradual materialisation of a scheme for the establishment of a monopolistic trust which, it is said, finds the approval of the present Government. The prime mover in connection with the problem is a semi-official organisation known as the Wine and Spirit Central Board, which is understood to have already acquired the works of the Astra Co. in Sodertalje, together with the latter's Svanens drug-store at Norrkoping; a decision is impending in regard to Kronan's drug-store and the drug-firm of Malmsten & Bergwall, both at Gothenborg, the latter being the largest business of its kind in the country; and matters are moving in the same direction in the case of the Vasens drug-store and the A.B. Pharmacia, Stockholm. A combination of these undertakings would practically constitute a monopoly in the pharmaceutical wholesale trade in Sweden. The scheme seems to be directly connected with a project for the establishment of a central laboratory for pharmacies, seeing that the Wine and Spirit Board is also associated with the latter. question was discussed at the recent meeting held in Stockholm by the Apotekare Forbund, when Mr. Gullstrom read a paper on "A Central Laboratory for the Kingdom's Pharmacy." The author stated that the question had become acute owing to the troubles of the A. B. Fargamnes Industri. The intention now was to equip a central laboratory in place of the old works, where most preparations could be manufactured more cheaply than at individual pharmacies. The Spirit Board had capital available for the purpose, and as the principal of the Board was one of the country's leading organisers, there was no occasion for any apprehension. cussion showed a division of opinions.

# The President at Birmingham.

There was a large gathering of Birmingham pharmacists and ex-Service students at the Birmingham Municipal Technical School on October 4, on the occasion of the reopening of the pharmacy class established under the auspices of the Ministry of Labour, and with the cooperation of the Birmingham Pharmaceutical Association. The chair was taken by Mr. H. O. Lloyd (President of the Birmingham Pharmaceutical Association), and among others present were the Lord Mayor of Birmingham (Alderman W. A. Cadbury) and Mr. E. T. Neathercoat

(President of the Pharmaceutical Society).

The chairman extended a cordial welcome to the Lord Mayor and to the President of the Pharmaceutical Society. He also welcomed the new students. It rested with the students, he said, to make the very best use of the privileges they were to enjoy. The Ministry of Labour would receive monthly reports from the school with regard to each student, and if it was found that there were slackers the grants would not be continued in such cases. A silver medal for the best work done last session was then presented to Mr. C. R. A. Pennington, and a bronze medal to Mr. W. Gough. These were provided by the Birmingham Pharmaceutical Association, which also gave each of the

winners a cheque for the purchase of books,

The Lord Mayor made the presentations. Mr. Neather-coat spoke of the ceremony as intimately connected with the educational policy of the Pharmaceutical Society. The Society was one of the first of the professional bodies to bring forward a practical scheme for the training of ex-Service men. The applicants for Government grants under the scheme numbered 4,400, and the Pharmaceutical Society was able to allocate to approved schools 1,387 in 1919 and 1,481 in 1920, as compared with about 500 accommodated in a normal year. Courses for both Part I. and Part II. of the Qualifying examination had been established in all the important centres, and the Pharmaceutical Council hoped to be able to report, before long, that facilities existed in practically every large town in the country for students to take at least Part I. of the examination. This would eventually lead to Part I. being taken towards the end of the apprenticeship period, an ideal after which the Pharmaceutical Council had long been striving. The Pharmaceutical Society was under a debt of gratitude to the Ministry of Labour, the local pharmaceutical associations, and, in the case of Birmingham, to Dr. Sumpner and the staff at the Municipal Technical School, for co-operation in carrying out the scheme.

# Poisonings.

THE following cases of fatal poisoning have been recorded since our last report:

An open verdict was recorded at an inquest held in Chelsea, London, S.W., on September 30, on the body of William Cattell, Burnaby Street, who died suddenly. It appeared that a medical man attributed death to pneumonia; but Major J. W. Ellis, an analyst at London University, stated that death was due to hydrocyanicacid poisoning.

An inquest on the body of Ernest Douglas Strutt, an ex-soldier, was adjourned by the St. Pancras (London) coroner on October 4 for further inquiries to be made. Mr. John Webster, a Home Office analyst, stated that  $\frac{1}{20}$  gr. of cocaine had been found in the man's stomach; there was also a trace of bismuth. Dr. Thomas Rose ittributed death to cocaine poisoning.

attributed death to cocaine poisoning.

A verdict of "Death from phenacetin poisoning" was returned at an inquest held at Ystrad Mynach, on October 2, on the body of the wife of a fireman named Owen. It was stated that Mrs. Owen became unconscious atter taking two phenacetin powders, and died, without regaining consciousness, within ten hours. A medical witness stated that he visited the patient four times during that period, but failed to rouse her.

# The Profiteering Act.

Notes.

OFFICIAL ACTIVITY.

It was mentioned at the meeting of the Blackburn Chamber of Trade, on October 4, that the Government had asked the corporation to revive the Profiteering Committee. Councillor Kenyon said that, when the question was discussed, the opinion was expressed that there was no call for it, and the whole thing was quashed. He did not think there was any fear of such a Committee being formed in Blackburn, for it was recognised that the whole procedure was a farce from beginning to end.

### A QUESTION OF SIZES.

At the sitting of the Kensington Profiteering Committee on October 4, a letter was read complaining that the writer was offered a box of face-powder in a chemist's shop for 3s. 6d., the price in a neighbouring shop being 2s. In reply to a request for his observations on the letter the chemist had written to the Committee explaining that his daughter, who was nineteen years of age and inexperienced in the business, was behind the counter on this occasion. What the girl was really handling at the time was a medium-sized box, and she thought that was the largest size. It was agreed that notice be given to the respondent to appear before the Committee at the next meeting.

### Prosecution.

At Clerkenwell Police Court, London, on October 1, Tinlings, Ltd., general produce merchants, of 31 Cow-cross Street, E.C., appeared to answer two summonses under the Profiteering Act, charging them with offering for sale, by circular, soda crystals at a price of 15l. a ton. Mr. Travers Humphreys appeared in support of the summonses on the instructions of the Director of Public Prosecutions; the defendant company were represented by Mr. R. O. Lane; and Sir Richard Muir watched the proceedings on behalf of Brunner, Mond & Co., Ltd. On behalf of the defendant company it was intimated that a plea of "Guilty" would be tendered to one of the two summonses. Mr. Travers Humphreys said that the prosecution had been undertaken at the instance of the Board of Trade under the provisons of the Profiteering Act, 1919. He read the preamble to the Act, which dealt with three classes of people. In the first place it dealt with the manufacturer, who might make an unreasonable charge, having regard to the cost of manufacture; and, secondly, with the retailers, who might attempt to get an extortionate profit. There was a third class—namely, the middleman. It was felt by the Board of Trade and the Committee which had been appointed to deal with such matters that profiteering by middlemen was the most pernicious, for the reason that they performed no useful service to the community in relation to the goods they dealt in. Their business was simply to distribute them. Counsel continued: "When you find in the case of an article of common use in all households, and more especially in the houses of the poor, who do their own washing, that the price which is being asked by the middleman is a price which has no relation whatever to the cost of manufacture, or to the prices charged by the manufacturer, and when you realise that if middlemen who are speculating in this article are going to do so successfully, and acutely speculate, it follows, of course, that their speculation must create an enormously enhanced price for the article.' Counsel said that common washing soda was made by a number of persons and firms in this country, and was prepared from soda ash. For practical purposes it might be said that soda ash was prepared by two big firms in this country—namely, Brumer, Mond & Co., Ltd., and The United Alkali Co., Ltd. Those two concerns, besides manufacturing soda ash, made very large quantities of soda crystals, which they sold. The transaction in question was in April of the present year, when Messrs. Brunner, Mond & Co. and The United Alkali Co. were charging 5l. 10s. a ton for crystals in 2-cwt. bags, and 5l. 17s. 6d. a ton if the soda was packed in 1-cwt. bags.

There was in the early part of this year a world-shortage of-washing soda, and the result was that Brunner, Mond & Co. and The United Alkali Co. had to ration their customers. That state of shortage brought in speculators. As a result, an entirely artificial price was being charged and being obtained by people, some of whom might appear before the court. The price was forced up to 15%, a ton and even beyond. The defendant company before the war, and (as far as he knew) since, had never had any dealings in washing soda. They saw an opportunity of making a profit which was an entirely unreasonable profit, and sought to take advantage of it. On April 16 of the present year the defendant company issued a circular offering soda crystals for delivery commencing not later than June 17 at a price of 15/L a ton delivered London, or on rail, orders to be accompanied by a deposit of 50 per cent. (C. & D., I., 1920, p. 784). A similar circular-letter, dated April 15, was sent out by the defendant company; but it did not ask for the 50-per-cent. deposit, but stated: "As the demand for this commodity is so great, and the present supply so restricted, it will be recognised that orders accompanied by cash will receive the first consideration." That circular-letter was received by Messrs. Ford & King, a City firm, who sent it to the Director of Public Prosecutions. The Director forwarded the letter to the Tribunal appointed under the Profiteering. Act by the Central Committee to consider cases of alleged profiteering on the part of wholesale firms. That Tribunal decided that proceedings should be taken. Mr. Hum phreys added that in their circular-letter the defendants referred to a company whose capacity of output was practically illimitable. The meaning of that was that there was a company whose name was put up on the offices of Tinlings, Ltd., which hoped some day to be able to make soda; but as late as June of the present year he understood it had never made an ounce of soda and had not any quantity in its possession. Therefore it was an offer made falsely to shopkeepers, and the circular-letters were issued broadcast making an offer which never could have been carried out. Mr. Lane, for the defendants, said that the plea of "Guilty" was in relation to the offer to sell goods to a Mr. Cohen. In view of all the circumstances of the case, he felt it would have been difficult for him to have asked the magistrate to say that the market price of the washing soda was a very much higher price than the 5l. 10s. at which the commodity was sold by Messrs. Brunner, Mond & Co. and The United Alkali Co. So far as the actual transactions were concerned, he assured the magistrate that there were only two, and they were small. The reason was that the soda was not forthcoming to enableorders to be carried out. Only three orders were received, and two were carried out. So far as damage to the public was concerned, it was quite infinitesimal. The magistrate was concerned, it was quite infinitesimal. The magistrate said he was relieved of considerable difficulty in the matter by a plea of "Guilty," and would impose a penalty of 25!., with 5l. 5s. costs.

# Legal Report.

Samples in Dispute.—In Birmingham County Court, on September 29, the sum of 121. 12s. was claimed by the Fram Manufacturing Co., Ltd., manufacturing chemists, Ellis Street, from Mr. Harold Selinger, 51 Milton Street, London, E.C., this being the value of samples which, it was alleged, had been retained by the defendant. It was stated by Mr. Henry Davis, manager of the company, that the defendant was employed as London salesman for the company, and samples were forwarded to him in March last year. In December his services were dispensed with and the return of the samples was requested, but only about a third was returned. Crossexamined, witness said that the parcels of samples were not opened, but were returned to defendant for the reason that they were in a dilapidated condition. Mr. Selinger, in evidence, denied that he had retained any of the samples. Judge Amphlett, in giving judgment for defendant, pointed out that the company could not be in a position to say that there were any samples missing.

#### New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

SUNDRIES MANUFACTURING Co., LTD. MIDDLETON (P.C.)—Capital, 6,000l. Objects: To carry on the business of drysalters, druggists, food specialists, chemists, grocers' sundriesmen, etc. R.O.: Sterling Works, Cheapside, Wakefield.

F. S. THAKE, LTD. (P.C.), -Capital, 1,0001. Objects: To carry on the business of manufacturers and merchants of chemical dyes and general produce, etc. The first directors are: F. S. Thake, 93 Earl's Court Road, W. 8., and H. Durell, 191 Bishopsgate, E.C. 2. R.O.: 191 Bishops-

gate, London, E.C. 2.

D. J. Burke and Partners, Ltd. (P.C.)—Capital, 2,000%. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. The first directors are: Major D. J. Burke, 11 Rue Vigné, Mont St. Aignon, Seine Inférieure, France, and E. Neumann, 220 Cromwell Road, Kensington, S.W.

SOLOMIA, LTD. (P.C.).—Capital, 5,000/. Objects: To acquire the sole rights of and to manufacture and sell the insecticide or preparation known as "Solomia," to adopt agreements (1) with Z. Solomides and (2) with Crockford Hales Service, Ltd. Solicitor: F. G. Cordwell, 8 King's Bench Walk, London, E.C.

PRIESTMAN, HARTLEY & Co., LID. (P.C.)—Capital, 3,000l Objects: To carry on the business of drysalters, manufacturers of and dealers in sauce, pickles, spices, vinegar, bleachers, dry ammonia, furniture and other polishes, turpentine, petrol, benzine, foodstuffs, beeswax and heelball, manufacturing chemists and druggists, wharfingers, shipowners, etc. R.O.: 8 Prince Street, Hull.

NEVILLE & RAYMOND, LTD. (P.C.)—Capital, 50,000l. Objects: To carry on the business of manufacturers of and dealers in all kinds of perfume and toilet articles and requisites, creams, pastes, stains, and polishes, putty, stone, and chemical compounds, buyers, manufacturers, refiners of and dealers in oil-seeds, oil, fat, soap, margarine, glycerin, oleaginous, fatty, or saponaceous substances, boot, metal, and furniture polishes, etc. R.O.: 1 Queen Victoria Street, London, E.C.

VIOLIV MANUFACTURING Co., Ltd. (P.C.)—Capital, 6,000%. Objects: To take over the business carried on at 26 Haymarket Terrace, Edinburgh, as the Violiv Manufacturing Co. To trade as export and import merchants, manufacturers' agents, manufacturers of and dealers in chemists' sundries, auctioneers, wharfingers, storage and removal contractors, and agents, etc. The first directors are: W. W. Brown, 2 Cluny Terrace, Edinburgh, manufacturing chemist; P. G. Pattinson, Cluriville. Meadowside Road, Cheam, Surrey, merchant; and W. Mackie, 32 Kilmailing Road, Cathcart, Glasgow, merchant. R.O.: 39 Caledonian Crescent, Edinburgh.

TAYLORS' DRUG Co., LTD.—The preference dividend at the rate of 6 per cent. for the past half-year was paid on September 30.

EVANS SONS LESCHER & WEBB, LTD.—The warrants for dividends on the 5 per cent. cumulative preference shares, due October 1, 1920, were posted to the shareholders on September 30.

Lever Bros., Ltd., are making an issue of Eight percent. Cumulative "A" Preference shares at 11. each at par, ranking equally with the shares of the same class already issued. Full particulars of the issue will be found in our advertising pages.

Boots, Ltd.—According to the "Financial Times," Mr. Louis Liggett, of the United Drug Co. of America, which recently acquired a controlling interest in Boots Pure Drug Co. and its associated undertakings, made the following statement recently to his stockholders:

In the purchase of Boots business we acquired over 630 stores, together with modern up-to-date factories larger than your Boston plants, and employing in all branches about 10,000 people. This is the largest trade the United Drug Co. has ever made, and is the largest investment ever made by an American firm in England, with the exception of the British-American Tobacco Co. With these stores we have acquired the largest and most modern manufacturing plants in England, manufacturing everything that the drug-store needs. Plants cover many acres of land in the heart of the city of Nottingham. Boots factories are larger in area, employ more people, and are in every respect as modern as our Boston plants.

In the course of a statement to the syndicate, appearing in the "New York Drug and Chemical Markets," Mr. Liggett said:

You will recall I stated that in my judgment we were making an exceptionally fine trade when we purchased the Boot's stock, based on the guarantees and representations made to us. It is highly gratifying that every feature of the company analysed by our investigators is more valuable than it was represented to be, with two exceptions: First, they had an unnecessarily large stock of merchandisc, due chiefly to the fact that their organisation was not properly co-ordinated, and, secondly, the company was overmanned.

ITALIAN CHEMICAL DIVIDENDS AND NEW COMPANIES.—At Pavia, near Milan, at a recent meeting of shareholders, it was decided to increase the capital of the firm "Viscosa di Pavia'' from 13,800,000 lire to 60,000,000 lire. This firm deals principally with the production of viscose.— A new firm has been established at Naples, under the name of "Fabbrica Italiana Novità Igieniche, F.I.N.I., with a capital of 215,000 lire for five years, which will deal with the production of hygienic novelties of all sorts and medicinals.—At Genoa the new concern of "F. M. Guglielmotti e C., with a capital of 20,000 lire, for commerce in chemicals, drugs, and pharmaceutical products, has been established. All arrangements have been made for five years.—The Milan firm of the "Società Chimica Lombarda A. E. Bianchi & C.," which has its chemical works at Rho, has decided to increase its capital from 5,000,000 lire to 12,000,000 lire through the emission of 70,000 new shares of 100 lire.—A new firm has been formed at Novara, in Piedmont, under the name of "La Chimica Novara di F. Marazio e C." with a capital of 150,000 lire.—At Cornigliano Ligure, near Genova, the firm of "Nobile e Callegaris" has been established with a capital of 30,000 lire for ten years, to deal in medicinals, drugs, chemicals, etc.—The "Società Italiana Profumi Igienici De Nava e C., S.L.P.I.," has been founded in Rome with a capital of 65,000 lire for nine years. It will deal exclusively in the manufacture of perfumes .-The "Società Italiana Prodotti Chimici e Farmaceutici Dottor Moro e C." has been formed at Taranto with a capital of 60,000 lire.—The pharmaceutical assurance company, "Mutun Farmaceutica Italiana," of Milan, has decided to increase its capital from 2,000,000 lire to 10,000,000 lire through the emission of 60,000 shares of 100 lire.—The well-known Milan firm of "Società Anonima Dottor L. Zambelletti " has decided to increase its capital from 2,100,000 lire to 5,000,000 lire through the emission of 29,000 shares of 100 lire.—At Via Chiara N. 238, Naples, has been founded the "Società Elettron," with a capital of 50,000 lire for five years, for the purpose of dealings in chemicals of all kinds.—Also in Naples the soap works and perfumery works of "Società Meridionale Saponi e Profumi," with a capital of 50,000 lire, has been established.—The "Minicra Solfifera Coscioni e Baisamo." with a capital of 100,000 lire for fifteen years, has been established in Naples to exploit a sulphur minat Oliveto Citra, Contur si and Colliano.—The firm of "Società Italiana Potassa, S.I.P.," has been established with a capital of 2,500,000 lire in 25,000 shares of 100 lire, for the purchase, renting, and concession of potash and mineral mines, and the commerce of the products obtained. —The "Società Anonima Siciliana di Prodotti Chimici." with a capital of 1,000,000 lire in shares of 5,000 lire each, has been established in Palermo.—The firm of "Vittorio Radaelli e C." has been founded in Milan, with a capital of 50,000 lire for three years, to trade with the Orient in chemicals, pharmacentical products, drugs, and allied products.

#### Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

#### Reports from Local Centres. ENGLAND.

Portsmouth. - The Insurance Committee, at a meeting on September 30, was called upon for an increased payment to the costs of the Pricing Committee of 40l. Payments to chemists for prescriptions dispensed during June and July were passed as follows:—June: Scripts, 10,642; cost, 482l. 2s. 6d.; average cost, 10.87d.; as compared with 7,536 scripts at an average cost of 8.56d. in June 1919. July: Scripts, 10,400; cost, 471l. 9s.; average cost, 10.78d.; as compared with 8,073 scripts at an average cost of 8.60d. in July 1919. The increase in the number of scripts for the first seven months of 1920 has been approximately 15 per cent. The Joint Committee for Pricing Prescriptions presented their annual report at this meeting. The number of scripts received for 1919 up to March 22, 1920, was 2,235,247, this represented 2.659,768 prescriptions, the money value of which was 92,190% 3s. 5d. The number of scripts chargeable to the Sanatonium Fund included on the chargeable to the Sanatonium Fund included. chargeable to the Sanatorium Fund included in the above represented 25,889, the value being 1,797l. 7s. .7d. The total number of scripts and prescriptions received each of the last four years was as follows:

Av. per Pre- Insured scription Person 
 Year
 Scripts
 Prescriptions
 Value
 Prescriptions
 Value
 Prescriptions
 Value
 Prescriptions
 Value
 Prescriptions
 Prescriptions
 Value
 Prescriptions
 Value
 Prescriptions
 Prescript 6 10d. 16.3Cd. 6.27d. 7.46d.16.08d. 21.62d22.53d.8.24d.

There was an average of fifty-five disallowances every month. In every case these were in respect of appliances not covered by the Second Schedule to the Medical Benefit Regulations. The Pharmaceutical Society checked some 10 per cent, of the 1919 scripts for all areas in the South-Eastern Division, with the exception areas in the South-Eastern Division, with the exception of the County of Middlesex, which has its own checking arrangements. The result of the check for the year was as follows: Number of prescriptions checked, 212,331; value, 7,148*l*. 3s. 9½d.; alleged value as checked, 7,152*l*. 0s. 4½d.; suggested additions, 8*l*. 11s. 9d.; suggested deductions, 4*l*. 15s. 2d.; percentage of error, .053. Some of the allegations of error were based upon difficult intermediations of prescriptions of these wars due to the strength of th cult interpretations of prescriptions, others were due to differences of opinion regarding dispensing-fees. During the year 1919, 12,685 chemists accounts were certified for payment, and the Treasury auditors found no errors.

Sheffield. -A meeting of the Insurance Committee was held on October 6, at which Councillor J. Fieldsend was appointed chairman of the Medical Service Sub-Committee and Mr. O. C. Wilson, vice-chairman; Alderman A. Cattell was appointed chairman of the Pharmaceutical Service Sub-Committee, and Councillor J. D. Cook, vice-chairman. Messrs. J. T. Appleton and J. A. Johnson were appointed members of the Committee. The Pauel Committee reported that they had investigated five cases who were in excess of the average price of prescription; one case was for ordering dressings without the quantities being speci-fied. It was decided to recommend a surcharge on the doctor. The Panel Committee drew the attention of the Insurance Committee to the chemists' irregularity in filling in the prescriptions. It was decided to refer the alleged irregularities to the Joint Services Sub-Committee. The Panel Committee recommended a surcharge on Dr. R. H. Mathews in respect of twenty-three prescriptions containing a proprietary article, as the local pharma-copœia contained a satisfactory equivalent. The surcharge was objected to by the doctor on the ground that twenty years' experience had convinced him that the proprietary article was more reliable and effective than the B.P. equivalent. It was referred back to the Panel Committee for further information. Councillor J. Sivil was appointed chairman of the Joint Services Sub-Committee, and Counciller F. Else, vice-chairman. Fayment was ordered from

the Sanatorium Fund for drugs, etc., 176l., and from the Drug Fund (August), 1,106l. 2s. 2d.

Surrey.—A meeting of the County of Surrey Insurance Committee was held on September 29, at which the reports of the various sub-committees were received. The following is taken from the agenda: In the Finance and General Purposes Sub-Committee's statement of accounts the sums paid to chemists in advances and balances amounted to 1,268l. 11s. 2d. (July), 1,424l. 3s. 5d. (August), and 1,260l. 17s. 5d. (September). The Pharmaceutical Committee's expenses for the same period were 34l. 17s. 3d., 27l. 11s. 3d., and 35l. 3s. 3d. respectively. The Medical Benefit Sub-Committee reported that six additions had been made to the list of persons supplying medicines and appliances, and that there had been two withdrawals.

#### SCOTLAND.

Stirlingshire. - The Insurance Committee, at a meeting on September 30, considered a communication from the Scottish Board of Health which recommended that Insurance Committees should arrange for a close scrutiny of the situation regarding the Drug Fund, with the object of securing that the payments therefrom would neither be unreasonable nor extravagant. Dr. Young, Bonnybridge, said that the Checking Bureau in Glasgow had sent in its reports on the prescribing for the first quarter of this year to the Panel Committee within the last fortnight, and it appeared to him, as it appeared to the Panel Committee and to the Pharmaceutical Committee, that if these reports were to have any influence on the prescribing they must appear much sooner than six months after the end of the quarter. If the Bureau pointed out mis-takes, the prescriptions might be altered with no dis-advantage to the patient. Regarding flavouring agents, he said that the insured person was entitled to have his nauseous medicine made palatable in the same way as it was made palatable to those who were not insured. But if they were to eliminate these flavouring agents they would be well under the 2s. basis at the end of the year. After a discussion the Committee agreed to represent to the Checking Bureau that their remarks on the prescriptions should come as quickly after the end of the quarter as possible if they were to be of any value to the medical profession. The question of payment to chemists was raised, and it was pointed out that the chemists had received no payments for this year. The Clerk stated that hitherto the practice had been to pay quarterly, and it was agreed that payment in future should be made monthly.

## Coming Events.

#### Tuesday, October 12.

Amalgamated Society of Pharmacists, Drug and Chemical Workers (Public Pharmacists' Section), Progressive Pharmacy Club, Arundel Hotel, Arundel Street, Strand, W.C., at 7.45 p.M.

North London Pharmaceutical Association, Progressive Pharmacy Club, Arundel Hotel, Arundel Street, Strand, W.C., at 8 p.m. Mr. Herbert Skinner on "The Proprietary Medicines Bill: A Suggested Amendment."

#### Wednesday, October 13.

London (Western) Pharmacists' Association, Pinoli's Restaurant,
Wardour Street, London, W., at 8.30 p.m. Mr. E. T. Neathercoat (President of the Pharmaceutical Society) on "Pharmaceutical Topics."

Leads Chemists' Association, Hotel Metropole, at 8 p.m. Smoking
Concert.

The Liverpool School at Pharmaceutical Society.

Concert.

The Liverpool School of Pharmaey, Royal Institution, Colquitt Street, at 2.50 r.m. Inaugural address by Mr. J. W. Deakin, J.P., member of the Pharmaceutical Council. Former pupils and pharmacists of Liverpool and district specially invited.

The autumn session will commence on October 12.

Birmingium Chemists' Association, Chamber of Commerce, at 8.30 r.m. Annual meeting.

Bradford Pharmacists' Association.—The annual dinner has been postponed, and an open meeting will be held instead at the Central Café at 8.15 r.m.

#### Thursday, October 14.

London County Pharmaceutical Association, Annual meeting. South-East London Chemists' Association, Unitarian Hall, High Street, Lewisham, S.E., at 630 p.m. Whist-drive and social evening. Tickets (4s. each) from Mr. W. Charles Sayers, 63 High Street, Lewisham.

#### Festivities.

Liverpool Chemists' Whist-drive.

The winter session of the Liverpool Chemists' Association at the Royal Institution, Colquitt Street, was inaugurated on September 29 at a whist-drive and concert arranged by the ladies' reception committee formed for the British Pharmaceutical Conference. Mrs. A. W. Ashcroft acted as chairman and Mrs. A. J. Ferriday as secretary. Mrs. Ashcroft presided, supported by Mr. D. H. Evans (President). Members of the council attended, and among the representatives of the wholesale branch was Mr. W. H. Saunders, The contributors to the programme included Miss Saunders (niece of Mr. Saunders), Miss M. Hughes, Messrs, Farthing, L. Collins, W. J. Williams, and T. E. Lloyd (Garston). The company numbered 175.

#### With the Western Chemists.

It is so impossible to resist the irrepressible geniality of the President and officers of the Western Chemists Association of London that their social events are always a feature of the London season. From the moment when visitors to Pinoli's on Thursday evening, September 30, shook hands with the President (Mr. H. S. Watson), Mrs. Watson, and Miss Watson, to the last vote of thanks (somewhere about eleven o'clock) the proceedings were characterised by a light-hearted and fraternal enthusiasm. Throughout the evening the visitors were tenderly shepherded and carefully looked after by the leading officers, among the most assiduous being (next to the President) Mr. B. R. Wilkinson and Mr. Harry Martin, attended to the proposed attended to President) Mr. B. R. Wilkinson and Mr. Harry Martin, the secretaries. About a hundred people attended. Among them were observed Mr. and Mrs. C. A. Noble, Mr. and Mrs. G. A. Tocher, Mr. and Mrs. C. T. Allen, Mr. and Mrs. W. E. D. Shirtliff, Mr. and Mrs. W. Browne, Mr. and Mrs. Thomas Marns (Ealing), and Messrs. H. R. Procter, N. H. Schollar, J. Royle, Buncan Bowie, and G. Roe. In accordance with what is now the usual practice (and a very commendable one) of this Association, the proceedings began with a support, which was excellently served in Pinoli's with a supper, which was excellently served in Pinoli's best style. Afterwards the tables were cleared, and whist drive began, which lasted until about 10.30 P.M. The prize-winners were: Ladies—(1) Mrs. Mumford; (2) Mrs. Ford; (consolation prize) Mrs. Abernethy. Gentlemen—(1) Mr. H. B. Everson; (2) Mr. J. Royle; (consolation prize) Mr. Mumford. Supplementary to the prize-giving was the presentation of the bowling cup for the year. This was won by that enthusiastic-bowler, Mr. W. Wilkinson, and the President's cup was given to the runner-up, Mr. J. Wildgery. In the course of a short speech the President, emphasising the need for unity, specially thanked the members of the Ealing and other associations who had attended the gathering, and stated that it was his intention to make a personal round of the London associations during the session.

#### Associations' Winter Session.

Chesterfield.—The Chesterfield Pharmacists' Association held the annual meeting on September 29, Mr. J. H. Wilbourn (President) in the chair. The treasurer (Mr. T. E. Furness) submitted his report, and the secretary (Mr. S. C. Greaves) gave his report in the form of a brief résumé of work done by the Association during the past year. The thanks of the Association were accorded to Messrs. Houston and Twelves for the service rendered as members of the Derbyshire Pharmaceutical Committee. Mr. J. R. D. Barfoot (Chesterfield) was elected President for the ensuing year, and Mr. E. G. Holmes (Clay Cross) President-Elect.

Glasgow.—The first annual meeting of the Glasgow Branch of the Scottish Pharmaceutical Federation was neld on September 28; President D. S. Mackenzie occupied the chair. In the President's address, he pointed out how the development of affairs had justified the foresight of those

who had advocated and initiated a strong and independent combination of employers. The secretary reported on a very successful year's work. The auditors' report was also satisfactory, showing a balance in the treasurer's hands. Pricing, hours, and insurance dispensing were discussed. It was decided that action be taken in the matter of firms selling "chemists' lines" through hairdressers, chandlers, ironmongers, etc. Certain firms, it was alleged, being aware of this, had their goods introduced to the public through the chemist, and when the sale was established, the goods were pushed through all sorts of traders. The insurance scheme adopted by the General Executive was explained, and commended as providing much greater benefits at less cost than anything at present offered to the trade. Mr. Donald G. Mackenzie and Mr. Arthur McEwan were re-elected President and Secretary and Treasurer respectively.

Public Pharmacists.—A meeting of the Council of the Public Pharmacists' Association was held on September 24, Mr. J. L. P. Hollingworth, F.L.S., in the chair. The secretary was directed to communicate with the Pharmaceutical Society on the Dangerous Drugs Bill and the position of public pharmacists. Satisfaction was expressed that public authorities are now seeing the advantages of employing registered chemists and druggists to vacant posts as "dispensers." The work done by the conference of Poor-Law organisations was outlined by Mr. Lindsey—this includes the matters of compensation for loss of office and the position of all grades of Poor-Law officers under the changed conditions which may obtain in the future. The effect of a circular issued by the Local Associations Executive on dispensing medicines for Boards of Guardians were left to the secretary of the Poor-Law section to deal with. An invitation from the Hospita! Officers' Association to attend a discussion on the "Dawson Report" was accepted.

Women Pharmacists.— The National Association of Women Pharmacists (Manchester, Liverpool, and District Group) held a meeting on September 29 at Warrington, at which Miss Williams gave a paper on The Proceedings of the Recent Pharmaceutical Conference. It was agreed to send 2l. 2s. to the Harrison Memorial Fund.

### Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

QUALITATIVE ANALYSIS FOR JUNIOR STUDENTS,

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopæia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, October 12, on which day the samples will be posted.

Students' reports will be received up to Saturday, October 23. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

Special Notice.—The prizes in this series of analyses

SPECIAL NOTICE.—The prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact must be attested on their reports. Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as hors concours. Correspondents who do not state that they are preparing for a Qualifying examination will be included in the latter list.

#### London Medical Exhibition.

The tenth London Medical Exhibition, organised by "The British and Colonial Pharmacist," is being held this week in the Central Hall, Westminster, and remains open till Friday evening (October 8). The promoters of the Exhibition have extended its scope, this year, by the inclusion of several exhibits of dental appliances and requisites, and have invited qualified dentists as well as medical practitioners to view the display. The stands are, as usual, compactly arranged without being crowded together, and the rooms, including a spacious reception-hall, lend themselves admirably to the purpose to which they are put. Judging by the attendance on the opening day, the Exhibition is attracting visitors in increased numbers. We summarise in the following paragraphs our impressions of features interesting to the drug-trade.

ALLEN & HANBURYS, LTD., have evidently spared no pains to make their stand one of the most attractive, as well as one of the largest, in the Exhibition. A bookstand filled with pamphlets written for the use of the medical profession strikes the eye as novel, and forms a good example of the thought that has been expended in this direction. One of the novelties to which they call the visitor's attention is Bynotone, a concentrated food prepared from bone-marrow, hæmoglobin, malt extract, and yeast-nuclein; it contains the three vitamines. Fruitine Confection, a new laxative for young children, "free from purgatives," has a distinctive style of packing; and their Breakfast Food is worth attention as an improvement on the kinds of cartoned nourishment that the grocer sells. Of more distinctively medical interest is Stibenyl (the basis of which is sufficiently indicated by its name), used in the treatment of kala-azar and trypanosomiasis.

The Anglo-French Drug Co., Ltd., are showing their pharmaceutical products of French manufacture. Many of these have gained a high reputation among the members of the medical profession, and are likely to be still more widely used as the published results of clinical research bring them into prominence.

The Apollinaris Co., Ltd., are displaying Apollinaris and Apenta. Both waters are British-owned, and supplies are available in regular quantities.

The "Aurorascope" Co., Ltd., have a stand in the basement devoted to the "Aurorascope," which is well worth a visit. It consists of an electric torch to which is attached a laryngeal mirror, tongue-depressor, or one of the other simple pieces of apparatus, according to whether it is desired to illuminate the ear, mouth, throat. or teeth. The torch, which fits into a neat case, is a convenient little instrument, and there is practically no limit to its employment.

Boots Pure Drug Co., Ltd., have a well-placed and tastefully arranged exhibit which comprises an unusually wide range of products, from fine chemicals in massive show-jars to pound bottles of concentrated mixtures for dispensing. The shape of their tablets for making lotions is distinctive (and is registered), materially assisting in safeguarding their use. Perles and flexible capsules are also made by Messrs. Boots, and they have an exceptionally bright quinine wine on view, the preparation of which they control throughout.

British Colloids, Ltd., the makers of Crookes' Collosols, which are becoming more and more widely known, have an attractive exhibit. The company have recently introduced two new preparations—a collosol argentum soap and dentifrice. The reputation of "Collosols" is attributed to their strictly colloidal state and stability. After being suitably stored for a year or two they still show the same activity as when freshly prepared, a great advantage when compared with foreign products of similar but inferior nature.

The British Organotherapy Co., Ltd., are displaying samples of all their preparations, the majority of which are available for hypodermic injection as well as in capsule form for oral administration. "Lymphoid Compound" den, Ltd.

and lymph serum are perhaps the best known of the company's products. The former has erroneously been associated with "monkey gland," and under that name has had greatness thrust upon it.

The William Browning Co., Ltd., have a comprehensive exhibit illustrating, inter alia, the great advance made in recent years in the purification of liquid paraffin. The "Semprolin" emulsion series now comprises combinations of the plain petroleum emulsion with bismuth and pepsin, glycerophosphates, salol, guaiacol, and several other medicaments. Two test-tubes placed side by side convincingly show the difference between Messrs, Browning's Semprolax and an ordinary soft-paraffin confection when shaken up with water, the former making a typical emulsion and the latter adhering unchanged to the side of the tube. Semprolax, which is delicately flavoured, contains 80 per cent. of liquid paraffin, and therefore the dose is not uncomfortably large—a point of importance in the case of invalids or young children.

Burroughs Wellcome & Co. have a distinctive exhibit that should draw many visitors. On one of the walls is a large chart with insets showing opium, its alkaloids, and the "B.W." products evolved from them; on another wall, einchona and its alkaloids are similarly treated. Another capital idea is a series of test-tubes containing solutions of sodium salicylate, water-white and otherwise, the moral of which is obvious. Kharsivan ("606"), neokharsivan ("914"), and some handsome specimens of fine chemicals are also on view; and there is a novelty of general acceptability in the shape of Sketofax, a preventative of mosquito-bites. We understand that the word "preventative" is not too strong, since elaborate experiments have been made before putting this preparation (which is sold in collapsible tubes) on the market, various skins, human and otherwise, being exposed to the attacks of mosquitoes in the course of the trials.

W. & J. Burrow, Ltd., who are exhibiting still and sparkling Malvern waters, have received an excellent testimonial from Mr. J. W. H. T. Douglas, captain of the M.C.C. team now on its way to Australia. It also appears that Messrs. Burrow's waters have been used on board the *Renown* during the present tour of the Prince of Wales.

Cadbury Bros, Ltd., manufacturers of Bournville cocoa, are pleased to allow the visitor to "taste and try." A fine sample of cocoa butter is being exhibited.

Callard & Co. are exhibiting various food preparations, of which perhaps the most interesting is "Vitmar." This is now a favourite with medical men, probably owing to its high content of vitamines and the readiness with which it is taken when foods are repulsive.

EDWARD COOK & Co., LTD., have recently introduced one or two new lines, among them being "Anti-laria" preparations in three forms—jelly, soap, and cream—for combating mosquitoes. These are being exhibited in addition to their well-known products in the soap and disinfectant departments.

The De Vilbiss Co., Ltd., have a corner stand devoted to their atomisers and sprays. One of the nebulisers that we had not seen previously (No. 49) will produce a dry or a moist vapour at the will of the operator, and the vapour can, by an ingenious adjustment, be rendered stronger or weaker. This nebuliser is constructed for oily solutions, and is fully guaranteed.

LEOLINE EDWARDS is exhibiting, among other things, an electric-lamp bed foot-warmer. This is a unique arrangement, and by means of it, the maker claims, ten hours' heat is obtained for a penny. The uses of this lamp are not confined to a foot-warmer, as by a little manipulation it may be converted into a food-warmer night-light, vaporiser, plate-warmer, reading-lamp, and (with the lamp-fitting removed and the addition of some ice) a bottle-cooler.

Gadus, Ltd., have a stand devoted to their cod-liver oil, for which entire freedom from the usual odour and taste is claimed. Stocks are held by John Bell & Croyden, Ltd.

Genatosan, Ltd., in addition to exhibiting their Sanatogen, Formamint, and other products, have a display of detoxicated vaccines. The method employed for the detoxication of vaccines is the result of recent researches, and the vaccines are tested in the company's laboratories.

D. & W. Gibbs, Ltd., are displaying their dental preparations and soaps, all of which have been largely and

cleverly advertised of late.

The claims of GLAXO are skilfully advocated in a stand carrying samples of the company's product with appropriate pamphlets. A note in the Exhibition catalogue points out that more than 4,000 tons of Glaxo was purchased by the Ministry of Food during the war.

HEDLEY & Co. (LEYTONSTONE), LTD., are showing ethyl chloride, which they pack in glass tubes and bulbs. company have recently put on the market spraying com-positions under the name "Dridustol." These preparations are solutions of antiparasitic and other medicaments in ethyl chloride, and form a convenient method of application. They will keep indefinitely.

C. J. HEWLETT & SON, LTD., have made their stand into a miniature chemist's shop, so many and so varied are the preparations to be seen there. Gargarisma formalin. co. (Hewlett) is, we were informed, a great favourite with the medical profession at the present time. Nasalcatarrh tablets is a line which should be of interest to the retail pharmacist during the winter months. tum, betulæ co. fort. (Hewlett) is another addition to the company's preparations. The ointment is four times the strength of the original one.

Howards & Sons, Ltd., have a display of fine chemicals of their customary brilliance. Since we last called attention to hydroquinine hydrochloride and the salts elaborated from it (*U. & D.*, I., 1920, p. 513), considerable research has been carried out under Messrs. Howards direction; and, although it is too early to attempt to systematise the results obtained, more will undoubtedly be heard of these interesting chemicals. The potency of hydrocupreine as an anæsthetic is so marked that it is to be hoped it will long remain hidden from writers of "dope" narratives. Agotan (identical with the German pre-war Atophan) and Howard's standard ether are on view; and we examined with interest some bottles of eucalomel, a mercury subchloride of remarkable lightness. The last-named, having a density several times less than that of the ordinary salt, is manifestly a valuable salt for the preparation of external applications of calomel.

THE HOFFMANN-LA ROCHE CHEMICAL WORKS, LTD., have a dainty display of their pharmaceutical products, which leave little or nothing to be desired in convenience of administration. Their "Tubunic" ampoule-syringe (recently described in our columns) is on view, together with such typical compounds as Sedobrol and Digalen. A new preparation shown has been named "Spasmalgin"; the formula, indicated on the label, suggests that the compound should have a useful effect in asthma, dysmenor-rhoea, and other painful complaints. The company are giving an increased discount to pharmacists.

INGRAM & ROYLE, LTD., have abundant supplies of each of the Vichy, Contrexeville, Evian, and all the other waters for which they are agents. Samples of each may

be inspected at the stand.

Lysol, Ltd., whose preparations remain in the first rank of popularity, are showing the original "L" brand of lysol in all its sizes, along with the Lysol soaps, Lysoline hair tonic, and Osyl tooth paste and powder.

May & Baker, Ltd., have an instructive display of fine chemicals, together with such modern products as fluorised vaccines. The visitor may learn a good deal on the dosage of novarsenobillon, stovaine, adalin, and so forth, from the representatives in charge.

MENLEY & JAMES, LTD., give due prominence in their exhibit to aspirin, which is "featured" (as the cinema people say) with striking effect. They report big business in this chemical, which, during the war, they were one of the first British makers to bring to the requisite standard of purity. Liquid Iodex, a colloidal solution of iodine in an oily base, claimed our attention; for throat and post-nasal troubles it presents obvious advantages.

Konapro biscuits, a palatable preparation of cellulose recently referred to in the C. & D., are also on view.

NEWTON CHAMBERS & Co., LTD., the manufacturers of Izal, have recently brought out a new type of vaporiser called the "Zal" disinfector. This apparatus, which can be used over an open fire, gas-ring, spirit-lamp, etc., is both simple and convenient, and with its help a mediumsized room can be charged with Izal steam in ten minutes. It is unnecessary to seal doors or windows, and the preparation is harmless to furniture and fabrics.

Osmos, the firm manufacturing the water of this name, have a neat display of their proprietary. It is understood that the water is practically identical in composition with pre-war natural aperient waters, and testimonials to its efficacy have been obtained from doctors.

PARKE, DAVIS & Co. draw the attention of the visitor to Hemoplastin, a serum, the preparation of which is based on the principles governing blood-coagulation. special feature is made of Syrup Cocillana Compound and the firm's cod-liver oil emulsion. Both preparations are likely to be in steady demand during the coming winter.

THE CHARLES H. PHILLIPS CHEMICAL Co. have a striking display of their well-known Milk of Magnesia, Phospho-Muriate of Quinine Compound, and Digestible Cocoa.

THE SCHOLL MANUFACTURING CO., LTD., have an attractive exhibit of appliances and preparations for the relief of abnormal conditions of the feet. These are making their appearance in pharmacy-windows, and form a sideline that attracts attention.

THEW, HOOKER & GILBEY, LTD., proprietors of Hooker's Malted Milk, claim that their preparation, which is attractively displayed, is the only one of its kind which is entirely British. It is understood to be prepared from full-cream milk, and to be reinforced in such a manner as to contain the whole of the vitamines.

THE TINTOMETER, LTD., have recently introduced two new instruments, both of which are to be seen at their stand. One is a radiometer for use with Sabouraud's pastilles, and the other is an instrument for testing colour-blindness.

THE UNITED KINGDOM DENTAL CO., LTD., have on view "Pyorrhocide" powder, a tooth-powder designed to maintain, or restore, a healthy condition of the gums. Chemists who practise dentistry will find many other items of interest at the company's stand.

VIROL, LTD., have an attractive stand on which they exhibit Virol and their new preparation, Virolax. latter is an emulsion containing 60 per cent, by volume of liquid paraffin and 40 per cent, of virol.

X-RAYS, LTD., are showing apparatus which represents the latest design of high-tension transformers for x-ray work, Coolidge tubes, and Philips's x-ray Numerous x-ray photographs are also displayed.

Among the other exhibitors are: The Angier Chemical Co., Ltd.; The Anglo-American Oil Co., Ltd. (Nujol); E. A. Brooke-Williams (text-books); Bovril, Ltd.; The Carma Co. (sealing-syrup); J. & J. Colman, Ltd.; The Denver Chemical Manufacturing Co. (Antiphlogistine); DE TREY & Co., LTD. (dental outfits); DOMEN BELTS, LTD.; ELECTRO-DENTAL AND MEDICAL Co. (branch of Rouse & Co., dental chemists); EUCRYL, LTD.; HAWKSLEY & SONS (scientific instruments); C. HEARSON & Co., LTD. (apparatus); HORLICK'S MALTED MILK; JARDOX, LTD.; JEYES' SANITARY COMPOUNDS Co., LTD.; KOLYNOS, INC.; H. K. Lewis & Co., Ltd. (text-books); Oxo, Ltd.; Ozonair, Ltd.; "P. K." Arm, Ltd.; Savory & Moore, LTD.; SCHALL & SON (x-ray apparatus); Solus Electrical Co.; Walton & Curiis, Ltd. (surgical appliances); The S. S. White Co., Ltd. (dental requisites); Charles Zimmermann & Co. (Chemicals), Ltd.

During his recent visit to Pretoria, Lord Leverhulme (says "The Times Trade Supplement") purchased the Natal Soap Works establishment and interests in Pretoria West, and gave tentative orders for a big extension of the works. The latter will cost at least 25,000%.

#### Conference Workers in Lakeland.

As indicated in our last issue (p. 55), a party of pharmacists and their wives visited the Lake district on September 28, as the guests of Mr. John H. Robinson, Exchange Station Pharmacy, Liverpool. At a very early hour in the morning, Mr. Robinson took charge of a gathering comprising Mr. Harold Barton (President of the Southport Pharmacists' Association), Mr. John Cleworth (President of the Manchester Pharmaceutical Association), Mr. H. Humphreys Jones (Liverpool School of Pharmacy), Mr. W. J. Williams (assistant local secretary of the recent British Pharmaceutical Conference), and Mr. Harold Wyatt, J.P. (Bootle), all of whom were strenuous workers at the memorable Conference of last July. On reaching Windermere, where they were welcomed by Mr. James A. Robinson, uncle of the host, and Mr. R. H. Barker, pharmacist, the visitors proceeded to Bowness, and made calls at the pharmacies of Mr. T. M. Holmes and Mr. D. A. T. Dunlop. After lunch, which was served at the Crown Hotel, the party proceeded by boat to Ambleside, where Miss Robinson, sister of Mr. Robinson, greeted them. Here visits were paid to the pharmacies of Mr. Thomas Bell and Mr. Fred Lawson. A char-à-banc conveyed the guests through beautiful lakes



Standing (Left to right): Mr. H. Humphreys Jones, Mr. Hirold Wyatt, J.P., Mr. W. J. Williams, Mr. Hirold Barton. Scatted (Left to right): Mrs. W. J. Williams, Mr. John H. Robinson, Mrs. H. Humphreys Jones.

land scenery by way of Clappersgate, and thence up the pretty Brathay Valley to Skelwith Bridge, at which a halt was made for tea. The drive was then continued past Elterwater Tarn to Chapel Stile, Langdale, where the birthplace of Mr.' Robinson was visited. Resuming the journey, the visitors proceeded via High Close to Red Bank, alighting there to view the grandeur of Lakeland. Thence, skirting the west shore of Grasmere Lake, they reached Grasmere, and visited the church and the famous "Poets' Corner." The return to Windermere was made through Ambleside. During dinner, which was served at Rigg's Hotel, a pleasant little function was performed by Mr. Harold Wyatt, who, on behalf of the guests, presented to Mr. Robinson a gold-mounted fountain-pen as a souvenir of a very delightful day. Mr. Robinson, in thanking the visitors, expressed the great pleasure it had been to him to arrange this trip. Miss Robinson, Mr. James A. Robinson, and Mr. R. H. Barker speeded the parting guests; and, after singing "For he's a jolly good fellow" lustily in honour of the host, the party returned, reaching their various destinations at about midnight, after a day never likely to be forgotten by them.

#### Business Changes.

Boots, Ltd., have acquired premises in Chertsey Road, Woking.

Mr. A. E. Hamnett, chemist and druggist, has opened a pharmacy at 7 Station Road, Earlswood, Surrey.

Mr. Horron, chemist and druggist, Gravesend, has acquired the business of Mr. T. Johns, chemist and druggist, 73 High Street.

MR. W. LESLIE, chemist and druggist, late of Haddington, has acquired the business of Mr. Ralph Scrafton, chemist and druggist, Ludlow.

Mr. Gordon Smith, chemist and druggist, late of Broadheath, Altrincham, has taken over the business of Mr. Alfred Jacklin, chemist and druggist, Ashley Road, Hale, Cheshire.

Ward & Goldstone, Ltd., electrical engineers, Sampson Works, Manchester, have opened a branch depôt at 71 Old Market Street, Bristol, from which address goods can be supplied.

Myers, Lumos & Co. have removed their offices and showrooms to their factory at 68 Blackstock Road, Finsbury Park, London, N. 4. The new telephone number is "North 2976."

Mr. W. J. Thomson, chemist and druggist, late of Worcester, and Mr. H. G. Sletcher, chemist and druggist (late with Parke, Davis & Co.) have purchased the business of J. Bell & Co., Robertson Street, Hastings. The business will be continued under the present style.

Burnside & Co., eucalyptus-oil distillers, Melbourne, Victoria, have recently amalgamated with Gillard Gordon, Ltd., Sydney, N.S.W., the combination to trade under the name and title of Gillard Gordon, Ltd. Mr. H. McC. Burnside left Melbourne August 21 for London with the object of establishing a branch in the United Kingdom.

#### Deaths.

BAXTER.—At 170 Church Street, London, N. 16, on October 1, Mr. Wynne Edwin Baxter, J.P., D.L. coroner for East London and the Tower of London, aged seventysix. Mr. Baxter had been a coroner for nearly forty years. He was also treasurer to the Royal Microscopical Society, and had filled several other offices, including that of Mayor of Lewes.

FIGGIS.—At Montagu Grove, Hampstead, on October 4, Mr. Samuel Figgis, senior partner of S. Figgis & Co., produce brokers, 45 Fenchurch Street, London, E.C., aged seventy-nine,

HARDY.—At 134 Chillingham Road, Newcastle-on-Tyne, on September 20, Mr. Robert Hardy, drug-store proprietor (formerly of Tyne Dock), father of Mr. Robert Hardy, chemist and druggist, 19 Frederick Street, South Shields, aged sixty-one.

PHILLIPS.—At Tadworth, on September 30, Mr. Wilfred Charles Phillips, Ph.C., aged fifty-three. Mr. Phillips, was for some years in business at South End, Croydon. He opened a pharmacy at Tadworth in 1909, and had become well known and highly esteemed in the district. The funeral took place at Tadworth on October 4.

MR. WERNER THEODORE SIVERTSEN, 7 Alexandra Terrace, West Cross, Swansea, chemist and druggist, who died on August 26, left estate valued at 1881. 15s. 9d. He died intestate, and letters of administration have been granted to his father, Mr. J. W. Sivertsen.

Doctors' Inquest Fees.—At a recent inquest in the City of London a hospital doctor complained of not receiving the fees accorded to other medical men for making a post-mortem examination for a coroner's court and for giving evidence at an inquest. The jury added a rider to their verdict requesting Dr. Waldo to write to the Minister of Health and the Home Secretary, to get the law changed in favour of hospital doctors.

#### Personalities.

SIR JESSE BOOT, BART., has given 10,000% to found a chair of sociology in Nottingham.

MR. C. A. CRITCHLEY, Ph.C., Blackburn, is contesting the St. John's Ward at the forthcoming municipal election.

Mr. E. Ockwell, chemist and druggist, Crayford, Kent, has been elected a member of the newly-formed local urban council.

Mr. Chas. L. Huisking, of New York, who has been visiting this country and the Continent, sails on Saturday for New York.

COUNCILLOR W. HARDMAN, mayor elect of Blackpool, is a director of Hardman & Holden, Ltd., chemical manufacturers, Manchester.

Dr. ALEXANDER MACPHAIL has been appointed a medical officer of the Ministry of Health. His first duties will be in connection with the administration of the Anatomy Acts

Mr. Van Straaten, managing director of Everett's Trading Co., Amsterdam, is at present in this country, and will be interested to hear of any firms desirous of placing an agency for the sale of druggists' sundries and proprietary lines for all or part of Europe. His London address is 61-71 Collier Street, King's Cross, N. 1.

Mr. W. G. Ungerer, Ungerer & Co., essential oil manufacturers, New York, has been presented with an engrossed certificate of service from the American Field Ambulance Service in France. The tribute is addressed to American perfumers and other friends who, in response to an appeal by Mr. Ungerer, contributed two motorambulances to the work of the Service. The cars were inscribed: "American Perfumers Nos. 1 and 2," and both saw much active service.

Mr. E. J. Boake (A. Boake, Roberts & Co., Ltd., manufacturing chemists, Stratford, London, E. 15), was one of the witnesses called to give evidence before the Select Committee on National Expenditure, which has just issued its third report. In the course of his reply to the invitation, Mr. Boake wrote: "I feel . . . that it would be waste of time for me to appear, especially as my company gave evidence in the matter of the inquiry regarding the British Cellulose Co., which inquiry had, in my opinion, quite abortive results. I venture to think that no good can be done by these investigations' unless as a result of the Committee's findings the culpable Government officials are imprisoned for extravagant and reckless expenditure of public funds."

Mr. H. L. IRONMONGER, President of the Ealing and District Pharmacists' Association for the session 1920-21,



MR. H. L. IRONMONGER.

is an active member of the Association who has been in business at 10 Fauconberg Road, Chiswick, W. 4, since the year 1903. Mr. Ironmonger served his apprenticeship at Spilsby, and gained further experience at Walsall (with Mr. Cornelius Bayley), Manchester, and Leamington. After a course of study at the Metropolitan College of Pharmacy he qualified in 1900. West-End experience (with Roberts & Co., New Bond Street) followed, and Mr. Ironmonger was for a time with Sanguinetti &

Harding, West Ealing, before opening on his own account. The new President, gets away from routine, now and again, to indulge in his favourite sport of fishing, and finds that the change keeps him "in the pink of condition." An interesting programme has been arranged for the Association's coming session.

Mr. DAVID PAGE, Ph.C., who has been awarded the Pereira Medal of the Pharmaceutical Society this year,

has previously won several pharmaceutical distinctions. Educated at Alderman Newton's School, Leicester, Mr. Page entered the ranks of pharmacy in 1911 by serving an apprenticeship in that city to Mr. E. B. Ward, chemist and druggist, of whose training in the essentials of pharmacy he speaks very highly. During the term of his apprenticeship he attended evening classes provided at the Leicester Technical School at the instigation of the Leicester and Leicestershire Pharmaceutical



MR. DAVID PAGE, Ph.C.

Association, his teacher being Mr. S. S. Squires, Ph.C. In 1915 Mr. Page won a Jacob Bell scholarship at Bloomsbury Square; and in the following year he passed the Qualifying examination, in addition to securing a bronze medal and three certificates at the Square School. Although previously rejected for military service on several occasions, Mr. Page was taken into the Army immediately after qualifying, and saw active service in No. 2 Special Company of the Royal Engineers on the Western Front. Just before the Armistice he was invalided home; and, after six months' hospital treatment, he was able to resume his pharmaceutical studies. In April of this year the "Major" was successfully negotiated, and the Pereira Medal is accompanied by three more certificates won in the School. Mr. Page has been appointed to a responsible position on the staff of C. R. Harker, Stagg & Morgan, Ltd., Devon Wharf, London, E.

Mr. H. S. Watson, who has been re-elected President of the Western (London) Pharmacists' Association, is well

known in Metropolitan and other circles as the proprietor of T. H. Bateman & Co., dispensing chemists, 223 Finchley Road, N.W. 3. Mr. Watson was born in York, where his father, the late Mr. Alfred Watson, was a distinguished lawyer. He served his apprenticeship to his uncle, Mr. W. M. Betts, Towcester, and had experience in Brighton as an assistant with the late Mr. Kilby Pears. After qualifying (in 1897), he went to the late Mr. T. H. Bateman's pharmacy, and in the following year (1898) entered into partnership with him, becoming sole



MR. II. S. WATSON.

proprietor of the business on Mr. Bateman's death. Although a member of the Western Pharmacists' Association for more than twenty years, it is only recently (in 1914) that Mr. Watson was elected to the committee of the Association; in 1918 he became Vice-President, and last year he accepted office as President. He is also a member of the London County Executive and a Vice-President of the newly-formed Metropolitan Federation of Pharmaceutical Associations. Like many busy and successful men, Mr. Watson obtains recreation from his hobbies: he is a connoisseur of antique furniture, and has excellent taste in pictures. His driving force in pharmaceutical affairs is indicated by the writer of an appreciation in "The Script" in these terms: "When the wits are finessing and manœuvring for position in committee meetings you will hear his voice bluntly ask the chairman whether our object is business or wasting time." This is another way of saying that Mr. Watson possesses in a high degree the faculty of singling out the essential points of a discussion and keeping attention focussed on them. In his present responsible offices he will have scope for the gifts of his genial and persuasive personality.

#### Trade Notes.

"IRISH ELEGANCE" is the title of a new perfume made by the Evan-Williams Co., Ltd., 18 Ogle Street, London, W. 1, of which the prices are given in this number.

The Sanagen Co., Ltd., Sheepcote Lane, Battersea, London, S.W.11, were awarded the diploma and gold medal for Sanagen at the Food and Cookery Exhibition held recently in London.

AYRTON, SAUNDERS & Co., LTD., Liverpool, offer to send with each order for a gross of cocoanut shampoo a coloured lantern slide with the chemist's name and address for use in the local cincmatograph theatre.

QUENCHOLEEN HOT CUP is a new Violiv product, which is being introduced by the London house, Pattinson & Mackie, Ltd., 59 New Oxford Street, W.C.1. An advertisement in this issue deals with the prices and

WINDOW DRESSING.—Clements, Newling & Co., Ltd., 95 and 96 Wood Street, London, E.C. 2, specialise in attractive papers for use in shop-window dressing. Sample prices are given in the company's advertisement in this issue.

SHOWCARD OFFER.—Siemens Brothers & Co., Ltd., make an offer to send a new showcard advertising the "Xcel clectric lamps. It measures  $19\frac{1}{2}$  by  $12\frac{1}{2}$  in., and is supplied free on application. A folder referring to the Xcel" lamps is also offered to the trade, space being left on the cover for the name of the agent.

G.L. FORMALIN TABLETS.—Sangers, 258 Euston Road, London, N.W. 1, are the sole distributing agents for the United Kingdom for G.L. Formalin Tablets, made by Genatosan, Ltd., 12 Chenies Street, London, W.C. 1. An announcement regarding this product and about Formamint is made in Genatosan's advertisement in this issue.

COCOA-NUT SHAMPOOS.—Excellently packed samples of emulsified cocoa-nut-oil shampoo liquid and powder reach us from The Standard Tablet Co., Ltd., Goldstone Chemical Works, Hove. The liquid shampoo is packed in black cartons with a white embossed Japanese design. shampoo gives a good lather and is nicely scented. shampoo powder is packed in envelopes with an embossed cameo design which makes it an attractive line for counter-

Antapsal Nasal Appliance.—The British Antapsal Co., Ltd., 58 Great Ormond Street, London, W.C. 1, give particulars of the Antapsal nasal appliance, a patented particulars of the Antapsai hasai appliance, a patented instrument for ensuring sustained medication of the nasal passages. The appliance is small and made of a non-permeable material. It can be placed inside the nose without showing, small cotton-wool pads being moistened with a liquid medicament—Cataronal for ordinary colds and Asbronatol for chronic bronchitis and asthma. The advertisement of the company in this issue gives further particulars.

PULVEROUS CAPSULES.—John W. Mawson & Co., Ltd., 142 Norwood Road, West Norwood, London, S.E. 27, send us samples of their powder-filled flexible gelatin capsules. The feature of these capsules is that the contents are in the form of a dry powder, which offers advantages in regard to prompt action of the medicament in the stomach. The capsules are completely filled with the powders, and can be ordered by medical men as capulvæ. An ingenious application of the principle is shown in the insufflation capsules. These are um-shaped, and when the elongated end is cut off slight pressure of the finger and thumb on the body of the capsule causes the powder to spurt out. Pulverous capsules are supplied with standard medication in bulk or boxed for retail. Private formulas can be supplied in this form.

OIL OF BOIS DE SIAM .- According to American reports, lead-pencil manufacturers seem to be making pencils from some wood other than cedarwood. As this will affect the position as regards raw material, it may be assumed that the high cost of cedarwood oil at present ruling may be maintained. The Etablissements Antoine Chiris,

after lengthy researches, have selected a natural substitute-the oil of Bois de Siam, distilled, to a great



THE ANTOINE CHIRIS FACTORY IN CHAPA LAO KAY.

extent, in their factory of Chapa Lao Kay, French Cochin This oil has China (of which we give an illustration). many characteristics of cedarwood oil, and can be used in almost all preparations where cedarwood oil is now employed, but owing to its special quality a lesser quantity is required in each case. The use of Oil of Bois de Siam is being brought to the notice of soap manufacturers, as on the Continent it has been used in this connection with considerable success.

## Trade-marks Applied for. The figures in parentheses refer to the classes in which the marks

are grouped, for a list of which, with particulars as to registration. See "The Chemist and Druggist Diary" 1920, p. 308.

(From "The Trade-marks Journal," September 29, 1920.)

"Sartorgraph"; for scientific instruments, etc. (8). By W. Miller, 26 King Street, Manchester. 405,877. "Hilton's Cake-A-Pie baking powder" ("Cake" and "Pie" disclaimed); for baking powder (42). By T. R.

"Pie" disclaimed); for daking powder (12). By Hilton, 157 Cavendish Street, Ashton-under-Lyne. 393, 355. (Associated.)
"Ladco"; for milk and its products (42). By L. N. Ladefoged & Co., 15 Tooley Street, London, S.E. 1. 401,740. "APPETEX"; for all goods (42). By Eustace Miles Foods, Ltd., 16 Store Street, London, W.C. 1. 405,905. "COURT GARDEN"; for perfumery, etc. (48). By Madame Girard et Cie., Ltd., Trent Street, Nottingham. 405,834. "AERONIT"; for dope for aeroplane fabrics, etc. (50). By Cellon (Richmond), Ltd., 22 Cork Street, London, W. 1. 406.263.

(From "The Trade-marks Journal," October 6, 1920.)

(From "The Trade-marks Journal," October 6, 1920.)

"VULCAZOL"; for chemicals (1). By Ricard, Allenet & Cie., Melle (Deux Sèvres), France. 402,142.

"Semsal"; for chemicals (1) and for goods (4). By I. Elmaleh, 40 Rue Capitaine, Ihler, Casablanca, Morocco. 405,197/8. (Associated.)

"APHRODISTIES"; for a dog medicine (2). By A. F. Shirley & Co., Ltd., 46 and 48 Borough High Street, London, S.E. 1. 404,996. (Associated.)

"COMPOLINE"; for all goods (2). By Fisher & Fisher, 6 Orchard Street, Preston, Lancs. 405,426.

"SILOKOLL"; for chemicals for use in dentistry (3). By Chemische Fabrik vorm, Goldenberg, Geromont & Cie., Winkel a/Rhine, Germany. 402,961. (Associated.)

## Information Department.

#### INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated: G/110. Arak brand shampoo- M/410. Ergotelli juice. powders.

#### INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4

CHEMIST AND DRUGGIST, 42 Cannot Kiwi polishes. B/309
Dentoklene, A/309
Le Page's glue, H/309
Tinfoils, F/309
Wychia water, 1/279
Berkefeld filter, A/110
Pressure filters, S/110
Camomile shampoos, W/110
Eupnine-Vernade, R/410
Absorbent cottonwool, N/410
(overseas inquiry)

Pink cottonwool for cleaning silver, S/210
Menthol crystals, S/299
Monitor celluloid toilet articles,
M/410 M/410 Comar's tooth paste, S/210 Bickmore's gall cure, S/210 De Jough's ecd-liver oil, S'210 Reduced iron, S/510 (overseas inquiry)

## Observations and Reflections.

#### Your Last Week's Leader

on our endangered rights should rouse our local associations to instant action, and even the Pharmaceutical Council itself to some faint consciousness of what is expected from it. Most of the points you make against the Proprietary Medicines Bill have indeed been urged before at different times, and often singly, by your-self or others, but the bringing of them all together into one comprehensive indictment not only adds force to every one, but increases the force of the whole by a sort of geometrical progression. And the same may be said of the other measures to which you refer along with this. Taken singly, every one of them is serious enough; taken together, they assume a significance greater than the mere sum of them would have, for they are thus seen to have a cumulative force as only the first part of a series of steps in a preconcerted and persistent campaign. You give voice to apprehensions that are widespread and only too well-founded: may we hope that once more you will prove to have aroused the Council to a sense of its responsibilities and spurred it into action? At all events your article will increase the desire, rapidly becoming general, for a protective body, trade union or independent federation (it does not matter what we call it), that will not need these repeated reminders of its duty.

#### If Your Readers

will turn from pp. 66-7 to p. 72 of your last week's issue, the change of atmosphere from the Council Chamber of the Pharmaceutical Society to the annual meeting of the British Chemical Trade Association will probably startle them: it is like passing from the land of the lotus to "the ringing plains of windy Troy." Or let them contrast your last week's leader with that of September 4, in which you discuss the action of this Association in opposition to the Government's Imports and Exports Restriction Bill, and the effect will be the same. How do we account for the comparative inertia of our Society in the face of the evils that threaten us and the activity of the chemical trade? There is one simple and sufficient explanation: ours is not a trade society, and theirs is. There is a text somewhere from which a sermon might be preached with effect before the general meeting of our Society; it runs something like this: "No man can serve two masters; for either he will hate the one and love the other, or else he will hold to the one and despise the other." I need not continue the quotation. Suffice it to say that the attempt to combine the functions of a learned society with those of a trade protection society is a proved failure.

#### "Sour Grapes"

would, I venture to think, have been an appropriate title for the "Dioptric Bulletin's" article on charters, from which you quoted last week. A charter, we are told, is a mere "patent of respectability," a "sort of Accolade or Knighthood," and nothing more. There are, of course, charters and charters but Royal Charters, such as public bodies usually seek, convey powers and privileges and define more or less strictly the objects for which they are granted. These definitions have (or are supposed to have) a restrictive as well as an enabling force, and are therefore sometimes a doubtful good. Our own Royal Charter is a case in point. In some respects we might conceivably be better without it, and if it is only a "patent of respectability" we certainly should be.

#### Your Retrospects

naturally throw one's thoughts back to olden times, and I have been comparing some of your market quotations for the present mouth with those of September 1870. I was prepared to find prices very much higher than they were then, but not for anything like such advances as have actually occurred. Here are

a few quotations taken at random: Camphor has gone up from 70s. per cwt. to 6s. per lb.; acid. tart., from 1s. 4d. to 3s. per lb.; acid. cit., from 2s. 5d. to 3s. 9d. per lb.; cantharides, from 3s. 11d. to 14s. 6d. (Russian); ipecacuanha, from 4s. 6d. to 16s.; sulph. flor., from 12s. per cwt. to 23l. 10s. per ton; soda hyposulph. from 18s. to 45s. per cwt.; ol. carui, from 5s. 6d. to 11s. per lb.; ol. caryoph., from 2s. 6d. to 14s. 6d.; ol. menth. pip. (American), from 15s. to 64s. A few things have advanced little or not at all; one or two that I noticed have declined. Of course this comparison is very partial, and takes no account of possible differences in quality. How do retail prices for the same dates compare with each other?

#### The Basis of Medicated Wines

has varied in our own country almost as much as it now varies in different Continental countries. A good many of our official tinctures were formerly made with wine as a menstruum, and besides these there were many "physical wines." Among the wines at one time or other used for the former were white French wine, white Spanish wine, white Rhine wine, canary wine (which was used for Sydenham's laudanum). Vinum Rubellium was made with claret, and the wine of black cherries had no wine of any kind in it, much to Culpeper's amusement. In addition to these there was a steel wine much in use made with "mountain (which I cannot identify). In Quincy's Vinum Amarum pro Enopolis port wine, and in some other of his preparations white port, were used. Alleyne gives a list of medicinal wives used in prescriptions, which includes all I have mentioned (except mountain wine) and, in addition, malaga, alicant, or tent (Vinum Alonense), and red muscadine (Vinum Creticum or Moschatellinum rubrum). There was a much larger use of white than of red, and usually when white wine was ordered no particular kind was specified.

#### The Cactaceæ

have not, except as the food-plant of the cochineal insect, contributed much to medicine; and cochineal itself, though once much esteemed as a cordial and alexipharmic -to say nothing of its sympathetic virtue as exemplified in Bate's Pulvis purpureus, which, partly on account of its colour, was held "good against the Purples"—is now virtually used as a colouring agent only. The Cereus grandiflorus, "that belle so divine, who loves through the curtains of midnight to shine," is, I believe, the only member of the order that has any serious claim to be regarded as a medicinal plant, though the Indian fig or prickly pear, well known as an edible fruit, has been recommended as an application to wounds and ulcers, and Bentley says that several other species are useful in febrile disorders. Mr. Paul Fountain, however, in his book, "The River Amazon, from its Source to the Sea," very highly of the cactus of the Andes as a tonic in consumption and wasting diseases generally, and expresses wonder that it has been so neglected by the medical profession. Of the Cereus Peruvianus spinosus Lobelii Gerard writes enthusiastically. No plant, he says, "more moveth the mind to honor and laud the Creator," but he attributes no medicinal virtue to it, and evidently regards it chiefly as a natural curiosity.

Profit and Laws.—The New South Wales Government's Bill to deal with profiteering covers a wide field, and promises drastic action. The Bill applies to, among many other articles, drugs and chemicals, proprietary medicines, medical instruments, disinfectants, soaps, toilet requisites, and oils. A Profiteering Prevention Court is established, with penalties of 100%, or three months' imprisonment, for the first offence; 200%, or six months, for the second offence; and for the third offence imprisonment for five years. The penalties for a corporation include 200%, 500%, and 1,000% in fines, and finally the winding up of the offending company, the chairman and managing director and officials of which will be deemed personally guilty, unless they can prove the act was committed without their knowledge or consent.

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Send for a full-sized sample of

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## Editorial Articles.

#### Unemployment Insurance.

As from November 8 next, when the Unemployment Insurance Act, 1920, comes into operation, a very wide extension, of compulsory insurance against unemployment will take effect. Hitherto the unemployment insurance scheme has applied only to manual workers in certain industries, but, as from the date mentioned, it will apply also, with a few exceptions, to all persons of the age of sixteen and upwards in respect of whom health insurance contributions are payable, and also to persons over seventy years of age, unless they are in receipt of an old-age pension. It will thus be seen that many chemists' employés who are at present within the health insurance scheme only, will shortly have to become insured also Among the classes of employés against unemployment. to which the Act does not apply are agricultural labourers, domestic servants, and non-manual workers whose remuneration exceeds 250l. a year. It is officially estimated that the Act will bring into insurance against unemployment an additional eight million persons, making the total number insured about twelve million persons. As in the case of health insurance, payment of contributions in respect of insured persons will be made by the employer affixing stamps to a book, for which application should be made forthwith by the employé at the nearest employment exchange or branch employment office, if he does not already hold a current unemployment book issued under the earlier Acts. The employer will be responsible for the safe custody of the book. The contributions payable weekly in respect of each insured person will be borne by the employer, the employé, and the State in the following proportions:

	Employer	Employé	State
Men	4d.	4d.	. 2d.
Women ·	$3\frac{1}{2}d$ .	3d.	$1\frac{2}{3}d$ .
Boys under 18	$\dots 2d.$	2d.	$1\frac{1}{3}d$ .
Girls under 18	$\dots$ 2d.	$1\frac{1}{2}d$ .	1d.

The employe's share will be payable in the first instance by the employer, and may be deducted from the former's wages, as in the case of Health Insurance contributions. Unemployment benefit will be paid to an insured person at the rate of 15s, a week for men, 12s, a week for women, 7s. 6d. a week for boys, and 6s. a week for girls. No benefit will be paid for the first three days of unemployment, which constitutes a "waiting period," nor can it be claimed for more than fifteen weeks in any insurance year, or for more than one week in respect of every six contributions standing to the credit of the insured person. Further, an insured person must satisfy certain conditions and be free from certain disqualifications mentioned in the Act in order to be eligible for the receipt of unemployment benefit. Provision is made in the Act for arrangements between the Ministry of Labour and associations or societies of employed persons which make payments to their members while out of employment with regard to the payment of benefit. Insured persons will obtain unemployment benefit either direct from the Unemployment Fund, through an unemployment exchange or branch employment office, or through an association or society which has made an arrangement with the Ministry of Labour. In either case the first step will be for the insured person, on losing employment, to get his unemployment book from his employer and lodge it at an employment exchange or branch employment office. Notice that the book has been lodged and claim made will usually be given to the last employer. If the contributor belongs to an association or society which has made arrangements as above, and wishes to draw benefit through that association or society, he should state this on making his claim, and obtain a receipt for his book to take to the association or society, and the evidence to be given of his being unemployed will be such as may be laid down in the terms of the arrangement: He will thereafter draw benefit from the association or society in accordance with its rules. It the employed person claims benefit from the fund direct he should, on lodging his book, make a claim for benefit, and will thereafter be required to sign a register daily, or at other intervals, as directed, as evidence of being unemployed. An insured person who is aggrieved by a refusal to accept his claim to benefit can appeal to a Court of Referees, and, further, to the Umpire, appointed by the Crown, whose decision will be final. We have summarised most of the main features of the general scheme of unemployment insurance as it will affect the vast majority of employés to whom the Act applies. Provision is, however, made to enable industries to "contract out" of the general scheme and set up special schemes of insurance of their own offering the same, or superior, advantages. If desired, two or more industries may combine to establish a special scheme. Special schemes of this nature will be administered by a Joint Board of Management representing employers and employed on behalf of the industry or industries concerned, and the form and amount of the contributions and benefits will be determined in the scheme itself. The Act further provides that an industry which does not "contract out" under a special scheme, but remains under the general scheme, may set up a supplementary scheme of contributions and benefits with statutory effect in order to provide additional benefits.

#### Overcoming Inertia.

The policy of drift in regard to the Proprietary Medicines Bill, for which it looked as though chemists were to pay dearly, has, we are pleased to see, been altered. For this the chemists who individually and collectively sent letters and telegrams to the Council of the Pharmaceutical Society are to be congratulated, as well as those members of Council and of the Local Associations Executive who took an active part in overcoming the Society's inertia. Although the Bill does not apply to Scotland, we are glad to see that the Scottish Pharmaceutical Federation sent telegrams to the members of the Council as follows:

The Scottish Pharmaceutical Federation strongly protests against leaving registration-fees to be fixed by regulations; these should be stated in the Act. They should be small in amount, and payable only once. Also chemists' present rights, privileges, and vested interests in regard to "known, admitted, and approved" remedies should be clearly safeguarded by some amendment to Clause 10. Is the Society able to secure these amendments, or shall we require to put pressure on our members of Parliament?

It is pleasing to find that, although Scotland is not included in the Bill as at present drafted, the chemists north of the Tweed are prepared to throw in their lot with chemists in England in defending the common rights from encroachment. There is no doubt that Scotland will receive the unwelcome attention of the Ministry of Health so soon as the opposition of chemists and other proprietary medicine manufacturers in England has been overcome. The advisers of the Ministry of Health, whoever they may be, know the drug-trade well in recommending the policy of tackling the trade in sections. Having disposed of some of the parties and given way on unimportant points, criticism is disarmed and enthusiasm broken down in fighting for rights, the rest of the policy of medical monopoly will be carried out at leisure. Elsewhere in this issue is a report of the amendments to the Bill, suggested by the Council of the Pharmaceutical Society, which should be carefully studied. We are sorry the President does not grasp the point in regard to "known, admitted, and approved" remedies to which we referred a few weeks ago. The definition of proprietary medicine in the Bill includes, it is true, only certain classes of "known, admitted, and approved" remedies, but this is a whittling down of chemists' rights which should be resisted strenuously. It does not seem to be realised that a chemist may place a brand-mark on a series of approved remedies without incurring liability to medicine-stamp duty, provided liability is not incurred in other ways. Such branded goods, in our opinion, come within the definition of proprietary medicines as given in the Bill. The danger of repeating the mistake of the Venereal Disease Act which prevents, in the medical interests, the sale of properly labelled antiseptics, should be guarded against, and we recommend that endeavours should be made to remove altogether the prohibition against the sale of medicines for the relief and treatment of the diseases named in the schedule. This has already been done in the case of deafness. We see that Mr. Neathercoat implies that the Society's efforts at amendment are to be reserved for the House of Commons. He has apparently forgotten that the arrangement made in the House of Lords was that interested parties should be given an opportunity of suggesting amendments designed to produce a Bill which would be recommended to the House of Commons as an agreed measure. The danger which we referred to last week is not yet past, but chemists have it in their power to see that the Council of the Pharmaceutical Society does its duty in looking after chemists' interests with vigour.

#### Indian Belladonna Cultivation.

We have more than once in this journal pointed out the desirability of a thorough examination of the potential resources of our Indian Empire in the matter of drugs and chemicals. In a country so vast, with such varied climates and soils, the undertaking would be no small one, and would doubtless extend over many years. The advantages would be great, however, and the cost of the undertaking would in all probability be fully repaid with interest by the discoveries which would be made. Except the introduction of cinchona, and the establishment of plantations which have considerably increased the world's supply of quinine and reduced its cost to the consumer, we have done hardly anything in this line in India which might have been expected from a civilised power interested in carrying out sanitary measures among millions of ignorant people, the large majority of whom

are living under the same conditions as their ancestors of a thousand years ago. The late war, extending as it did over so vast an area and for nearly five years, caused a large demand for drugs, while the difficulties of obtaining imports in nearly every country naturally stimulated home production where such was possible, and raised prices everywhere to an extent never previously experienced in times of which we have trustworthy accounts. It is interesting to read in a recently published report by Mr. Norman Gill, Superintendent of the Kumaun Government Gardens in the North-Western Provinces of India, that successful experiments were carried out there in the cultivation of belladonna. During the year ending March 31, 1920, more than ten tons of fresh leaves were hand-picked and dried, and over two tons of belladonna were supplied to the Medical Stores Department. The price obtained was Rs.2 12a. per lb., against a prewar rate of 4 annas per lb. This was, of course, an enormous and unprecedented appreciation in value; but even with it, the financial results of operations extending over three years represented only a net profit of something under Rs.4,000 on a total expenditure of Rs.21,000. So far as belladonna is concerned, its cultivation in Kumaun would seem only likely to be profitable if war prices are kept up. There is nothing, however, to show what the cost of collecting and drying leaves from the wild product would be. Of course, cultivation and manufacture of any drugs on a large scale would have to be entered into very cautiously if a profitable financial result is the object aimed at. The increase of knowledge and the benefits which would accrue to science are also of importance, and would follow as a result of such an examination as we suggest of India's drugs and chemicals. The aptitude of Indian scientific scholars as chemists and discoverers has recently been exemplified in the person of Sir J. C. Bose, whose work many of the leading scientific institutions of Europe have duly recognised and awarded such honours as are in their power to bestow. It is to be hoped his success will induce many of his countrymen to follow his example.

#### Orders by Post.

We have received complaints from wholesale houses that surcharges have still frequently to be paid on insufficiently stamped orders received from chemists. To take advantage of the low rate of postage  $(\frac{1}{2}d_*)$  for printed papers, orders must be on forms containing the word "Order"—an ordinary memorandum form is not sufficient—and the communication must be of a formal character, i.e., a description of the goods and the quantity required. Fuller details are given in the C. & D. Diary, 1920, p. 310.

#### The Students' Corner.

Although the prizes awarded to the most proficient competitors in the Students' Corner are not the chief incentive of those apprentices and assistants who undertake the analytical exercises, we have decided, in accordance with post-war adjustments of value, to increase the value of the prizes somewhat. It is proposed that in future the monthly prizes of books shall be 15s. and 7s. 6d., whilst the tournament prizes will be 3l. 3s., 1l. 11s. 6d., and 15s. A notice is printed in this issue regarding the first exercise of the new session. We look forward to an accession of new students who wish to avail themselves of this educational aid. Competitors have the advantage of the guidance in their difficulties of an expert in analytical chemistry who has the interests of students at heart. The exercise for this month is preliminary to the tournament which will open in November. For more than half a century successive generations of students have benefited by the "Corner," and the interest sustained during this

long period is sufficient encouragement to the conductors of this journal to continue to help beginners in pharmacy in acquiring that taste for chemistry which is the foundation of the drug-business.

#### The Educational Opportunity.

MR. E. SAVILLE PECK, President of the British Pharmaceutical Conference, made a good impression in his address to the students at the opening of the School of Pharmacy on Wednesday. Mr. Peck has for many months been visiting the schools of pharmacy in Great Britain in connection with the scheme of approving educational establishments where students receiving Government grants could pursue their studies. Later on the curriculum requirements of the Pharmaceutical Society for the new generation of pharmacy students required the recognition of approved schools. No particulars are given as to what constitutes a standard of staff and equipment suitable for recognition of these institutions, but some interesting figures are given as to the students for whom accommodation was found at schools of pharmacy in 1919., The large percentage of failures in the Qualifying examination of assisted students is put down as the effect of war and the relaxation of the preliminary educational requirements. University-trained himself Mr. Peck foreshadows developments in pharmaceutical education in connection with the Universities which he asserts will be greatly to the advantage of pharmacy as a whole. We understand, however, that the matter is far from plain sailing. One University at least insists upon having the power to examine the students it trains. As the Pharmaceutical Society secures a handsome income from examination fees, it is likely to remain a firm believer in the "one portal" system. The start made at Manchester University is the most encouraging so far, and, given fair treatment, similar facilities could probably be provided at other modern Universities.

IPECACUANHIC ACID.—An exhaustive study of ipecacuanhic acid has been made by R. Huerre ("Jour. Pharm. Chim.," June 1, 1920), which affords a valuable contribution to our knowledge of this substance. In view of the extensive use made of emetine in the treatment of amæbic dysentery, it is interesting to note that the author attributes the curative value of de-emetinised ipecacuanha solely to its content of ipecacuanhic acid. The presence of this acid in ipecacuanha was already recognised in the French Codex of 1818, when Pelletier believed it to be gallic acid. It was first isolated by Wiiligk, in 1850, by means of lead subacetate; Wehmer, in 1911, described it as a glucoside, a view shared by Kobert. The method adopted by Huerre for isolating ipecacuanhic acid consists in exhausting the powdered drug with twenty times its weight of boiling distilled water, in four successive extractions. The collected liquids are filtered and evaporated to double the weight of the drug employed. This residue is again filtered and an excess of ammonium sulphate added. The precipitate is separated by filtration and washed with a saturated aqueous solution of ammonium sulphate, and then treated with alcohol (90 per cent.). The alcoholic extract is submitted to distillation, and when all the alcohol has been removed, on cooling, the ipecacuanhic acid separates out from the residue, which consists of a saturated aqueous solution of ammonium sulphate. It is then brought into solution by the addition of alcohol, after removing the water, filtered, and the alcoholic filtrate is evaporated to dryness. The product thus obtained still contains traces of ammonium sulphate, which can be removed by means of neutral lead acetate, which does not precipitate the ipecacuanhic acid, and then using lead subacetate and sulphuretted hydrogen. It occurs as a reddish, amorphous, very hygroscopic powder, with a bitter taste, soluble in water, alcohol, and ether. With ferric chloride it yields a green coloration, which changes into violet on the addition of ammonia. The author found that ipecacuanha-root contains from 3 to 4 per cent. of ipecacuanhic acid, and further that the various official alcoholic preparations of this drug contain the total amount of acid present in the drug.

#### Pharmaceutical Society of Great Britain.

#### Council-meeting.

A MEETING of the Council was held on October 6, at 16 Bloomsbury Square, London, W.C. All the members were present, and the chair was occupied by Mr. E. T. Neathercoat, the President. The minutes of the Council meeting held on August 4 were not read, these evidently having been adopted at a meeting held the previous evening. At the outset of the proceedings the President intimated that no questions had been submitted by members for answers.

#### ELECTIONS AND RESTORATIONS.

It was moved by the President, and seconded by the VICE-PRESIDENT, that 222 persons be elected members of the Society.

The secretary intimated that in accordance with the undertaking he gave at the previous meeting he had to announce that of those whose names were proposed to be registered as members twenty-two were proposed by virtue of the by-laws relating to apothecaries' assistants.

Mr. Wolff formally proposed as an amendment : "Excepting those who have been registered as chemists and druggists by virtue of the by-law made under Section 4 (b) of the Poisons and Pharmacy Act, 1908."

Mr. PARRY formally seconded the amendment.

On a show of hands five voted for the amendment and ten against. Mr. PARRY called for the names of those who supported and of those who opposed the amendment, and his request was supported by Mr. Wolff. There was a "roll call," when there voted for the amendment Messrs. Campkin, Hines, Parry, Skinner, and Wolff; against, the other members of the Council.

The PRESIDENT declared the amendment lost, on which Mr. Parry remarked, "I am sorry to hear it. It is a

disgrace."

On the proposition of the President, seconded by the Vice-President, ninety-nine persons were elected Student-Associates, and fifty-one were restored to the register. The Registrar intimated that 217 persons had been registered as apprentices or students since last meeting of the Council.

#### NEW BY-LAWS.

It was moved by the President, seconded by the Vice-PRESIDENT, and unanimously agreed, that the proposed new by-laws approved at the meeting of the Council held on August 4 be read a second time. This was done. It was further decided, on the proposition of the PRESIDENT. seconded by the Vice-President, that a special general meeting of the members of the Society be held on Wednesday, November 3, at 3 P.M., for the confirmation of the new by-laws.

#### REPORT ON EXAMINATIONS.

The President, without any comment, directed the attention of members to the report on the examinations held in October in London, in connection with the Qualifying examination (see p. 91).

#### Correspondence.

The secretary read a letter from the secretary of the National Association of Women Pharmacists intimating that the annual meeting would be held on November 1, when Dr. Jane Walker would address the members, and asking if the Council would grant the use of the Lecture Theatre for the occasion. It was unanimously agreed that the request be granted.

A letter from the secretary of the Public Pharmacists'

Association, dated September 29, was read, maintaining that the members of that body, as registered pharmacists, were anthorised persons under the Dangerous Drugs Bill, and asking the Council to ensure that they, as registered chemists, should be authorised persons by virtue of the qualifications which they hold. The secretary intimated that in acknowledging the letter he stated that Mr.

Skinner had previously written him on the subject, and that care would be taken, when the regulations are submitted to the Council, that the point raised would be taken up with the Government Department concerned with the view to a satisfactory arrangement being made.
A letter was read from Mr. John Turner, secretary of

the National Amalgamated Union of Shop Assistants, stating that at the annual general meeting of that body the question of the distributive trades coming under the Trade Board and also the desirability of setting up a Joint Standing Industrial Council was fully and carefully discussed, and that a resolution was unanimously passed to the effect that, while the Union regretted the absence of thorough organisation on the part of employers engaged in the distributive trades, it expressed its appreciation of the fact that a number of employers had encouraged the organisation of their employes in their appropriate trade union. It regretted, however, that there are still some who continue to show hostility to that, and expressed the opinion that if organisation of both sides became complete enough to regulate the conditions of employment and to embody these in mutual agreement on terms equally satisfactory to both parties, a Joint Standing Industrial Council could be set up that would be of great service to all concerned.

The PRESIDENT remarked that the matter referred to had been dealt with by the Local Associations Executive. He suggested that the letter, with the resolution, be referred to that body with the object of a future report

to the Council. This was agreed to.

A letter was read from the secretary of the Aberdeen Pharmaceutical Association intimating that there had been only one entrant for the Petrie Bursary, and that, in consequence of the candidate having accepted an appointment in England, the examination arranged for him had had to be abandoned. The result was that there was no candidate this year for the Bursary.

#### PROPRIETARY MEDICINES BILL.

The PRESIDENT said: During this week-end twelve telegrams and thirty letters and postcards have been received expressing doubts as to the Council's action in reference to the Proprietary Medicines Bill. As the Council will readily understand, I do not propose to have these read, as they are all exactly on the same lines, making similar suggestions. I propose to make a statement to-day which will, I hope, remove any misapprehension that may exist in the minds of the senders of those telegrams and letters. This Bill was introduced into the House of Lords on The Council, at its meeting on August 4, August 6. considered the Bill and decided to refer it to a Special Joint Committee of the Council and the Local Associations Executive Committee. That Committee met on September 22 and drafted amendments, which have been submitted to the Council at their meeting this month. This information is given to reassure those who apparently have had the idea that the Council had not taken prompt action to safeguard chemists' interests in connection with the Bill. There is one point to which I wish to draw attention, and that is that the Bill has yet to come before the Commons and go through the Committee stage there, and it is only in the Commons that effective action can be taken to amend a Bill of this type. The following are the principal features of the Council's proposed amendments: Clause 2 of the Bill provides for a schedule of diseases in respect of which sales of any medicine for the prevention, cure, and relief of those diseases are forbidden. The Council proposed to have the words "prevention" and "relief" deleted from this clause, and this will leave chemists in their present position, because they have not been in the habit of advertising medicine for the cure of these at present uncurable diseases, but have confined themselves to supplying medicines for their prevention and relief only. The Council consider it advisable to obtain an amendment giving the Minister power to delete from the schedule any disease or infirmity to which the section at present applies. regard to Clause 3, some amendment is required to make it clear that sub-section (a) is intended to deal only with the treatment of diseases by correspondence.

Clause 5 will require, in our opinion, considerable altera-tion. Special privileges will be asked for on behalf of chemists in regard to the registration by them of any proprietary medicine. The Council believe it to be necessary to ask that, in regard to Clause 5, Section 2 (g), an amendment should provide for a schedule of the substances which are to be regarded as dangerous in this connection, and that special provisions should be made regarding the supervision of the preparation of medicines containing these dangerous substances. Further, the Council will seek an assurance from the Ministry that the Society shall be consulted before regulations under the Act are in fact made and laid before Parliament. With reference to Clause 8, the Council deem it extremely desirable that chemists should be protected from frivolous prosecutions or from any prosecution in respect of inadvertent mistakes, which might render the chemist liable to a penalty under the Act. These are simply the main lines upon which the Council propose to move, but I wish particularly to draw attention to Clause 10, in which the

ticularly to draw attention to Clause 10, in which the definition of a proprietary medicine is given as follows:

The expression "proprietary medicino" means any medicine which is held out by advertisement, label, or otherwise in writing, as efficacious for the prevention, cure, or relief of any malady, ailment, infirmity, or disorder affecting human beings, and—

(a) which is sold under a trade name or trade-mark to the use of which any person has or claims or purports to have an exclusive right; or

(b) of which any person has or claims or purports to have the exclusive right of manufacture, or for the making of which any person has or claims or purports to have any secret.

There appears to be in the mind of many chemists some misapprehension as to this interpretation. It will be observed that it very definitely limits the application of the Bill so far as proprietary medicines are concerned, and that therefore the known, admitted, and approved remedies are not affected if the conditions under which chemists have the right of exemption from the duty are properly observed. I should like to remind chemists that, although apparently the exemption in regard to known, admitted, and approved remedies existed from the commencement of the Medicine Stamp from the commencement of the Medicine Stamp Act, it was not until Sir William Glyn-Jones, in the action which he brought as an individual pharmacist, claimed and proved the chemists' right to this exemption, that chemists generally had the benefit of it. I wish to reassure those who fear that the position of known, admitted, and approved remedies has been overlooked that their fears are groundless, and every effort will be made to protect the chemists' position in this respect. The Council's policy, it will be seen, is not opposed to the main underlying principle of some control of the patent-medicine business, believing it to be an advantage to the nation and to the ultimate benefit of pharmacy as a profession. This will not, however, prevent the Council from taking the necessary steps on the lines I have indicated to secure amendments which will, it is hoped, prevent undue interference with the practice of pharmacy.

Mr. DEAKIN endorsed the statement made by the President and on behalf of every member of the L.A.E. paid a tribute to the keen interest, and appreciation of the assistance, which the L.A.E. had received from the supplementary members of the Committee who were appointed to the L.A.E. The services of the members of the Council, he said, were most valuable in the consideration, clause by clause, of the Bill. As Chairman of the L.A.E., he had to assure every pharmacist in the country that at no stage of the progress of the Bill through Parliament would any effort be wanting on the part of the L.A.E. to safeguard, protect, and maintain the interests of pharmacists generally. (Hear, hear.)

#### FINANCE COMMITTEE.

The financial statement is summarised as follows: Receipts since the last meeting, including a balance of 5,082*l*. 13s. 4*d*., amounted to 14,011*l*. 10s., made up as follows: Rent, 40l. 5s.; penalties and costs, 110l. 13s. 4d.; "Journal" and publications, 38l. 12s. 7d.; registration-fees, 413l. 14s.; subscriptions, 689l. 6s. 6d.; examination-

fees, 6,630l. 17s. 6d.; restoration-fees, 3l. 3s.; dividends, foliation foliat 209l. 7s. 9d.; Benevolent Fund (donation account), 633l. 9s. 3d.; War Auxiliary Benevolent Fund (adverse), 31. 0s. 1d.; Orphan Fund, 272l. 1s. 3d. The report of the Finance Committee recommended payments of accounts amounting to 9,699l. 2s. 2d., and that the action of the Secretary in making payments amounting to 1,247l. 0s. 3d. be approved.

The report was received and adopted without comment.

#### SALARIES IN PHARMACY.

On the subject of salaries and conditions of employment of assistants in pharmacy, the Local Associations Executive Committee reported receipt of the report of the Sub-Committee which had been appointed to meet representations. sentatives of the Assistants' Union. Their report stated that "the policy to be adopted was considered carefully, and was discussed at considerable length; and, in view of the reports received from the local associations and local federations throughout the country, the Committee unanimously came to the conclusion that present conditions neither necessitate nor render it desirable that any change should be made in the system by which the terms of employment in pharmacies have been mutually arranged between the parties immediately concerned, and under which system in the past unemployment in pharmacy has been practically negligible. The Executive Committee believe that the adoption of any other method at the present juncture would inevitably lead to unemployment, which the Committee feel would be equally bad for both employers and employes." The Committee dealt with the Council's resolution referring to them for consideration the course of action to be taken in reference to the establishment of an Industrial Council, and recommended "That action be deferred until the result of the test case is known." The other portions of the report referred to the action taken by the Committee with reference to the Proprietary Medicines Bill, but they were not referred to by the Council in view of the Proprietary decident's explanation at the council in view of the president's explanation at the coulons to the proprietary of the president's explanation at the coulons of the president of the president of the council in the council of the president's explanation at the council of the president of the p President's explanation at an earlier stage of the proceedings.

Mr. Skinner, referring to the question of the salaries and conditions of employment of assistants in pharmacy, expressed disappointment that the report of the Committee regarding it had been made public. It appeared to him that the Committee had been guilty of a breach of faith. A letter was sent, and was dealt with by the Committee. A meeting with representatives of the assistants was arranged, and, although there was no definite assurance that there would be a further meeting, the impression was left on the mind of everyone that there would be one. Since then nothing had been heard by the assistants' representatives in any shape or form. It seemed to him, that the least the Committee could have done would have been to have met these representatives once again and told them their conclusions. He deeply deplored this, because it was simply a case of laisez faire, and the fact of the chairman of the L.A.E. being opposed to such a document seemed to him to be an utterly impossible position. The position at the present time was very difficult. They had an Unemployment Act shortly coming into force, but they had no machinery at all by which to give effect to its provisions. There was a chance for the Committee to meet and consider machinery for dealing with unemployment, but in its absence the unemployed pharmacist was practically forced to go to the Labour Exchanges to get employment. There was no proper machinery for dealing with the problem was no proper machinery for dealing with the problem unless employers and employes could come to some agreement whereby they would know where vacancies could be reported, and until these vacancies could be reported nothing could be done in the way of providing for any case of unemployment in pharmacy, except through Labour Exchanges. The whole position as it appeared to him was this: Two thousand chemists—fellow-pharmacists and fully qualified—approached the

Council and wanted to discuss a proposition with them. They asked for bread: the Council gave them a stone, because they referred them to open competition in the labour market. It was a most disastrous state of affairs. No one knew better than he did the difficulties with which the Committee were faced. When the representatives of the employes first met the Committee he put a proposition before them, and he ventured to say it was well put before them, because there was no complete answer to it. At parting they pressed him very severely whether he could give them a detailed proposition relative to the whole position before the following Wednesday. There was no detailed proposition in existence, but it had to be provided. It was put in the hands of those who were supposed to know all about it. When it was sent it was circulated without any further question, but when an official copy was asked for it was refused. "Right through the whole business," Mr. Skinner proceeded with some bitterness, "it was a mistake on my part to assume for one moment that the Local Associapart to assume for one moment that the Local Association's Executive could do anything. For that I am alone guilty. I apologise for having put the proposition before them. When they deal with a similar case in Scotland how differently it is treated! They are anxious to try to find a basis for settlement; they know very well the difficulties are so immense, but try to see their way clear. But here, down in London, where you have the best changes of dealing with it for England and Wales you chances of dealing with it for England and Wales, you simply say, 'No. We leave it to the open labour market.' I tell you, sir, that at the present time some qualified chemists have no idea what to ask for in the shape of salary. They have been in the Army, they have had their minds occupied with other things, and they do not realise the changed values—not one little bit. They have been asking the most appallingly low salaries, salaries on which they could not possibly live. You have the power; you exercised it once. You stated in 1916 that the salary to be expected in those days when living was 45 per cent. to be expected in those days when living was 45 per cent. above pre-war levels was three-and-a-half guineas a week. But you won't do anything now when the cost of living is 168 per cent. above the same level. I think, sir, it is deplorable not being able to see further than the mere detail of a high tariff being an expensive appointment. You are bound to put a high tariff, or else you will have nothing to give away.'

Mr. Hines, referring chiefly to the last paragraph in the report dealing with the conditions of labour, deplored, as a member of one of the interviewing boards, that they had cases of ex-Service men, who had qualified with the aid of the Government grant, coming before them, where the men were asking for employment. That situation he characterised as deplorable, and he believed the same conditions obtained in other cities and towns besides York. With the view to having something done in the interests of ex-Service men who are qualified, he moved that the section of the report he referred to be referred back.

The President pointed out that the portion of the Committee's report referred to by Mr. Hines did not contain any recommendation, and suggested that that gentleman should move that the chairman of the L.A.E., bring the matters he had referred to before the notice of his Committee for consideration and for further report.

Mr. Skinner stated that the main point in his mind was that the report was published when he felt personally with others that the Committee were again to meet repre-

sentatives of the employés. The President asked if Mr. Skinner was prepared to second Mr. Hines's proposition that it be an instruction to the L.A.E. to review the position in the light of the facts at present obtaining with regard to ex-Service men

who are unemployed.

Mr. SKINNER agreed to second.
Mr. Deakin inquired if the reference back was to apply only to ex-Service men.

Mr. HINES replied that his desire was that the question of unemployment in pharmacy should be dealt with generally.

Mr. Skinner expressed the hope that the Committee would try to deal with the question of unemployment, which was serious. Pharmacists had no organisation for

coping with it except on one side. The Ministry of Labour had told him that, if they could show from the employers' side that they had an organisation which would notify vacancies as they occurred, there would be no diffi-culty in setting up a special arrangement. Until they were assured that the employers had an organisation for notifying those vacancies, pharmacist employés desiring them were dependent for the information upon the ordinary advertising channels or upon the Labour Ex-changes. If their organisation was worth anything at all, the Local Associations Executive should be able to meet the conditions of the Ministry of Labour in connection with the Unemployment Bill. They could not contract out of the Bill, and they could not carry out the objects of the Bill without the employers falling in with the position.

Mr. GUTHRIE pointed out that the L.A.E. was purely an English institution, and he was not going to have the temerity to say very much in the dispute between the employer and the employed members of the Society in England, except in a general way.

The President: It is not a question of dispute.

Mr. Guthrie: It has the appearance of one at the moment. Proceeding, Mr. Guthrie said that he had been rather taken by Mr. Skinner's remarks in relation to unemployment, because in the papers before the Council there was no clue to indicate that the question of providing situations for unemployed persons had been under discussion. Mr. Skinner's remark that there are no institutions or no means under the Act of providing for those unemployed persons was not quite correct. He was certainly in sympathy with the view put forward by Mr. Skinner, that at this time of day it would not do to adopt what he described as a laissez faire attitude.

Mr. CAMPKIN said that, without desiring to prolong the discussion, it was desirable that members of the Council should know what was the position sought for. Amid the welter of regulations, Acts of Parliament, and so on, one got somewhat confused. Speaking as chairman of one of the interviewing bodies, he, with others, had been engaged for the last two years in making provision for grants in aid, especially for those who belonged to pharmacy, to enable them to become qualified. They had had from Mr. Hines another instance in which not only had they to complete their duties in that respect, but they had also to deal with those who, having qualified, desired to obtain situations. Were they to create something like bureaux or registry offices on behalf of qualified pharmacists seeking situations? If that was so then the affair was a very formidable one. A long discussion took place at a great conference held at Leamington which he attended, and at which it was sought to get approved societies to take part in the matter. whereas, under the original Act, the trades unions had nothing to do with it. The result of that discussion was that approved societies should be asked to take part in the solution of the problem. Arising out of this was the question whether approved societies cared to undertake the complete responsibility with regard to relief payment, and also to create registry offices or bureaux for the special trades or professions in relation to securing situations for those who were unemployed. He did not approach the matter with antagonism to any organisation when he suggested that the position called for a clear statement as to the objects they had in view on behalf of pharmacy generally. They would be face to face with the regulations that had been made or would be made with regard to the minimum salaries paid to qualified pharmacists who were employes. And that would bring them to a difficult position with regard to those seeking situations and help. The next question involved the difficulties of the future, when a large number—and there would be a large number—of qualified men were thrown on the labour market. Then a readjustment of salaries would have to come under consideration. That readjustment would be very difficult. He ventured to ask if it was in contemplation at some not very distant date to set up some organisation in connection with pharmacy under the ægis of the Council, in the shape of a registration

Mr. Deakin, replying to the discussion, expressed confidence that every member of the L.A.E. and of the Council recognised the importance of devoting serious consideration to the question before them. When the L.A.E. were approached by the combination representing the employes, they at once acceded to the request and set up a sub-committee for the purpose of hearing what were the ideas of the employes on the various points at issue. At the joint meeting he pointed out that the only fixed, basic principle asked for by the representatives of the employés had reference to the observation of a minimum wage for the qualified assistants. On behalf of the Committee, he pointed out to Mr. Skinner and his colleagues that it was very necessary in considering the question that they should have the whole scale of wages that was deemed advisable, from the errandboy to the qualified assistant and manager. Mr. Skinner, and those with him, recognising the difficulty, undertook to present to the Committee what they considered was a reasonable amount to ask for in respect to the position of each employé in pharmacy. Then he, as chairman, told Mr. Skinner that the L.A.E. would not deal with the matter without submitting the whole question to the country; that if he would let the L.A.E. have that list they would prepare a statement and submit it to the various associations and federations, and that they would carefully and seriously consider the replies made by these bodies, together with Mr. Skinner's list. He desired to disabuse the mind of Mr. Skinner on one point by giving him his own assurance and that of every member of the L.A.E. that no discourtesy was intended, either to him personally or to those who were associated with him. "I feel confident in making the statement this morning because it is absolutely true," Mr. Deakin went on to say, "that the relationship between the qualified manager or assistant and the proprietor in pharmacy is of such a character that it is not dealt with purely on the rigid, economic basis. (Hear, hear.) In many cases that relationship is one of the most intimate friendship and the most implicit confidence; and in every way it is of a most pleasant character to both. Therefore I want to say here and now that, whilst the economic is a very important view to take, there is another view, equally important—call it, if you like, the infinitely practical and sentimental side—which must also be taken into consideration." Mr. Deakin, pro-(Hear, hear.) ceeding, stated, with regard to the answers or decisions from the associations and federations of the country, that the L.A.E. could do nothing before they submitted their findings to the Council. With regard to the amendment proposed by Mr. Hines, he asked that gentleman if he was to understand that the unemployed question would be dealt with by the adoption of a standard scale of wages such as had been submitted. Would it not rather aggravate the situation by bringing the two questions together? The practically unanimous opinion of the employers of the country was that under the present conditions it was impossible to meet the scale of wages demanded or asked for. If the Council in its joint wisdom decided to refer the question of unemployment to the L.A.E., they would consider it; but they had not previously had it before them. It was only the question of the scale of wages that was submitted to them, and in relation to it they took the only constitutional line that could be taken by any committee of the Council that of referring it to those in the country whom it concerned for their suggestions and decisions. The report concerned for their suggestions and decisions. The report submitted that day was the only one the L.A.E. could put forward in view of all the circumstances.

Mr. PARRY: Has the L.A.E. any evidence that there is any increase of unemployment in pharmacy?

Mr. Deakin: I should have to make inquiries.

Mr. Wolff was understood to say that there is a lot of unemployment.

Mr. Hines expressed his willingness to accept the suggestion of the chairman of the L.A.E. to separate the two questions of unemployment and wages, and regretted that he had confused the issues. He went on to say that as a Council they could not shirk their responsi-

bilities with regard to unemployment in pharmacy. It was infra dig. for such boards as the one of which he was a member to deal with vacancies in pharmacy, but as a Council they ought to take unemployed qualified men under their wing and give them some guarantee of their willingness to help. He had one object in mind in pressing the matter forward for attention, and that was not only to consider the question of unemployment, but that they should also consider how far they could, under the circumstances, press for something in the way of a statutory definition of the functions of pharmacy.

Mr. SKINNER, as the seconder of Mr. Hines's proposition, intimated his willingness to agree to its being confined to the subject of unemployment, and, in doing so, remarked, "I am thoroughly disappointed with the chairman's speech—absolutely disappointed."

The Vice-President inquired if the proposition was that the L.A.E. should be asked to "further" consider a thing they had not previously considered.

The President replied that as a definite question the L.A.E. must have considered it. "Salaries and conditions of employment of assistants in pharmacy" might have been a wrong title for their report, but he regarded unemployment as being included in the term "salaries and conditions."

After a brief discussion Mr. Hines's proposition was modified to the effect "That the L.A.E. be asked to consider the question of the unemployment of assistants in pharmacy in the light of the conditions prevailing at the present time." On this being put it was unanimously carried.

Mr. Deakin, commenting on the observation by the President as to the reference to the L.A.E., said that the Committee certainly had not previously considered the question of unemployment.

#### BENEVOLENT FUND COMMITTEE.

The report by this Committee recommended the payment of certain grants, and the increase of annuities amounting, in the sixteen cases, to an aggregate of 190l. The Committee reviewed the cases to which grants had been made during the past twelve months, and considered the expediency of electing additional annuitants. The question was discussed from the position created by the increased annuities already recommended, and it was recommended as a result "That the financial position of the fund does not justify the election of additional annuitants." Having considered the proposals of the chairman (Miss Buchanan) for increasing the resources of the fund, the Committee recommended: "That the Local Associations Executive Committee be asked to promote the establishment in each federation area of a Benevolent Fund propaganda organisation, as a part of the federation work, with a view to systematising local interest in the fund and adding to its financial efficiency."

Miss Buchanan, in moving that the report be received and adopted, briefly outlined its recommendations, and expressed regret that circumstances do not permit the election of further annuitants. She intimated the receipt of several contributions to the fund.

The treasurer (Mr. Bilson) seconded, and the report was unanimously adopted.

Mr. PARRY stated that the sum of 10l. 10s. had been left him under the will of the late Mr. McKinley, of Liverpool. He had handed a cheque for the amount to the secretary, with the request that it should be devoted to the Benevolent Fund.

Mr. Deakin assured the Fund Committee that the L.A.E. would give the appeal for further financial assistance their most sympathetic attention.

#### LIBRARY COMMITTEE.

The report of the Library Committee was brief. It stated that, having considered applications for exemption from the Preliminary examination, the Committee was authorised to issue certificates entitling to registration in a number of cases.

The report was adopted.

There were no other reports. The Council concluded its sitting in private.

#### Opening of the School of Pharmacy.

The seventy-ninth session of the Pharmaceutical Society's School of Pharmacy was opened on the afternoon of October 6 in the Lecture Theatre at 17 Bloomsbury Square. In marked contrast to the meagre attendance last year, when a strike rendered travelling difficult, the theatre was so crowded that a "House Full" board might well have been hung outside the main entrance. Some of the late arrivals were glad to find standing room, and the quaint little gallery in the transept creaked ominously beneath the weight it had to support. The President (Mr. E. T. Neathercoat) took the chair at three o'clock, and with him at the table were Mr. E. Saville Peck, M.A., the Vice-President (Mr. F. Pilkington Sargeant), the secretary (Sir William Glyn-Jones), and the assistantsecretaries (Messrs. A. J. Chater and G. A. Mallinson). The members of the Council present were (so far as could be ascertained) Miss Buchanan and Messrs Bilson (treasurer of the Society), Currie, Deakin, Gifford, Guthrie, Hines, Melhuish, Parry, White, and Young. The crowded condition of the theatre, and the large proportion of ladies present, rendered it rather a matter of luck to pick out the leaders of pharmacy; but we noticed, among others present, Mrs. E. T. Neathercoat, Lady Glyn-Jones, Mr. C. T. Allen, Mr. R. R. Bennett, Mr. F. C. J. Bird, Mr. Richard Brembridge, Dr. F. W. Crossley-Holland, Mr. H. Finnemore, Mr. H. Whippell Gadd, Mr. F. W. Gamble, Mr. W. F. Gulliver, Mr. C. H. Hampshire, Mr. C. A. Hill, Mr. E. M. Holmes, Dr. W. H. Martindale, and Mr. Thomas Ridley. Hearty applause greeted Professor Greenish on his rising to read his report, and the prize-winners were cordially recognised by their fellow-students as they advanced in turn to the table. The address of Mr. E. Saville Peck, President of the coming British Pharmaceutical Conference, was, naturally, the great attraction of the occasion. From the full report given below, it will be seen that it was a weighty and suggestive pronouncement on pharmaceutical education in its broader aspects, and it amply fulfilled the expectations of the audience both in its subject-matter and in the crisp, clear-cut manner of its presentation. Mr. C. A. Hill, the ex-President of the Conference, paid a graceful tribute to Mr. Peck in moving a vote of thanks, and caused great laughter by a sly hit at the Society's apparent fondness for the carbonaceous deposit of Central London. The vote was seconded by Mr. Thomas Ridley, Mayor of Carlisle-a newcomer, as he confessed, at these functions-in a speech admirable in its lightness of touch. The Pereira medallist, Mr. David Page, was presented with his prize at the end of the meeting, and Mr. F. W. Gamble moved the customary vote of thanks to the President, who, it was interesting to learn, entered the Society's School just twenty years ago.

The President, who was received with loud applause, said: Ladies and Gentlemen,—Our business this afternoon is to open the seventy-ninth session of the School of Pharmacy; and I would like to say at once how gratified I am to see such a large attendance at this interesting function. It is a very clear proof that the pharmaceutical community generally continue to take a close and very great interest in the affairs of the School of Pharmacy. (Applause.) I always remember the meeting last year corresponding to this one. The country at that time was in the throes of the railway strike. It did look at one period as if the particular ceremony this afternoon might be held under similar conditions, but happily that for the moment has, at any rate temporarily, been averted—how temporarily it is not for me to say. We are able, however, to meet and to get to this meeting in very large numbers. The good attendance this afternoon augurs well

for the interest taken in the School. Well now, my duty is to call upon the Dean of the School to report on the School and also on the Prize Competitions.

#### REPORT ON THE SCHOOL.

Professor H. G. Greensh, in his statement, said that the past session of the School of Pharmacy had been the most memorable in the history of the School, at least as regards the number of students. Prior to 1914 the normal number was about 70. This fell to 34 during the war, but recovered to 51 in 1918-1919. The School staff was then faced with the necessity of making provision for a large influx of ex-Service men. To meet this emergency special arrangements had to be devised, with the result that 145 students were accommodated in the elementary class and 16 in the advanced class. The conduct of the students, without a single exception, was most exemplary. Of the total number of students that attended the classes 145 presented themselves for examination, 16 for the Major and 129 for the Qualifying examination. Of the former 14, or 81 per cent., passed. Of the latter 87, or 67 per cent., passed both Parts, while 19 passed Part I. The percentage of passes in the elementary classes was a little below that of normal years, but, it must be remembered that the ex-Service men, who constituted about two-thirds of the class, had for a long period been serving in the field or elsewhere.

The list of prize-winners was then read. (These were given in The Chemist and Druggist, I., 1920, pp. 489, 754; July 10, p. 56.) It was also announced that the C. J. Hewlett Memorial Exhibition has been won by Douglas Stephenson. After referring to the loss of Dr. Small. now in Belfast, Professor Greenish mentioned that Mr. A. J. Somer, a former Bell scholar, has obtained the degree of B.Sc. of the University of London, and that Mr. G. R. Boyes, Miss Elsie Woodward, Miss Vera Newcombe, Miss Hope Winch, and Mr. F. N. Appleyard have distinguished themselves in other examinations. Mr. Wallis has been appointed lecturer in botany. It is a matter of great regret to the staff and the students that Miss Caird will no longer be with them. Miss Newcombe, Miss Winch, and Miss Yapp, demonstrators in chemistry, have resigned their appointments. They carried out their work in the most satisfactory manner. They are succeeded by Mr. Eastland, Mr. Melhuish, and Mr. Williams; Miss Saunders, whose name appears several times among the prize-winners, has also joined the staff as demonstrator in botany and materia medica. In conclusion, Professor Greenish mentioned that 168 students have eutered their names, this being the maximum capacity of the School.

The PRESIDENT: I am sure we are all pleased to hear so satisfactory and interesting a report from the Dean. It is now my pleasure to present the prizes that have been won in the School examinations as recorded by the Dean.

The prizes were then presented.

The PRESIDENT intimated that in consequence of the papers returned by competitors for the Jacob Bell Scholarship not having come up to the required standard of excellence, there would be no award this year. "It is a little unfortunate," he said "that the awards were not made this year because it has broken a very long record. The Jacob Bell Memorial Scholarship was started in 1861, and from that date right down till now there has not been a break in the awards made. But the peculiar circumstances this year, I think, are sufficient to account for this break in continuity. Many of those who probably would have been candidates have, during the last three or four years, been engaged on sterner duties than those of Another factor is that owing to the Government grants for the training of ex-Service men, these men have not had the stimulus to enter for a competition in which only two of them would have got their training free. I want to look upon it from another point of view. I hope that next year there will be a greater interest taken in this scholarship, not only because of its monetary value but also because of the educational status it gives to those who hold it, and that this status will induce others to enter for the competition.'

#### THE INAUGURAL ADDRESS.

The PRESIDENT: My next duty is to call upon Major Peck to deliver the inaugural address. I am quite sure that no words of mine are necessary to introduce him to a pharmaceutical audience, especially to an audience in the Society's premises. Major Peck is a distinguished pharmacist; he has had a distinguished pharmaceutical career,



MAJOR E. SAVILLE PECK, M.A.

and at the present time he is President of the Pharmaceutical Conference. These three things are quite sufficient for this audience to give him a very hearty welcome.

#### Pharmacy's Educational Opportunity.

Major Peck said: I accept with pleasure the honour you have done me, as President of the British Pharmaceutical Conference, in inviting me to give the inaugural address on this occasion. I venture, however, to do so with considerable diffidence and reluctance, remembering as I do some of the magnificent addresses given by distinguished men at the annual opening of this school. I have recently looked through some of those addresses and have seen how frequently and how truly they have hit the mark as to the solution of the pharmaceutical problems that existed at the time and, in relation to education, have indicated in an almost uncannily prophetic manner the lines upon which the training of the future pharmacist should proceed. At this time of grave industrial, political, and international unrest many problems await solution; and the right understanding between people of all sections of the community, together with a future of well-ordered society, seems to be an ideal almost impossible of attainment, so small is the progress that has been made up to the present towards it.

Among these problems those of reconstruction and the reinstatement into civil life of the many who were engaged in the war have been ever present with us during the past two years. The Pharmaceutical Society has taken no mean part in this work, so far as it concerned those who left the ranks of pharmacy to take up arms; and it has materially assisted the Government of the day in this work of reconstruction. In so doing it has incidentally been enabled to further the progress of pharmaceutical education generally. During the year 1918, both prior and subsequent to the signing of the Armistice, the Ministry of Reconstruction was devising many schemes, the one most interesting to pharmacy being that of making grants to suitable applicants for training for appointments in civil life. The Society was asked to appoint two members to serve on the Civilian Advisory Boards, the ob-

jects of which were "to assist officers and other ranks of like educational standing" to decide upon suitable careers, and also to explain the procedure that would enable these men to obtain the necessary grants. In this much depended upon the correct filling-up of the well-known and much-debated Army Form, Z.15, with which most of us are no doubt painfully familiar. I must confess that in advocating this scheme I did so with a certain amount of misgiving as to whether it would really function after all. There was always at the back of one's mind that some men were disappointed, and they actually expressed it, because the boards had not gone out with attaché-cases bursting with offers of appointments to comfortable billets at good salaries! As a consequence of these visits, together with careful organisation and instruction within the military units, large numbers of men applied for these grants. Among them were no fewer than 4,000 men who had been connected with pharmacy.

At this time the interviewing boards of the various local directorates were formed and pharmacists were appointed to serve upon them in order to advise as to the suitability from the point of view of previous education and financial standing of each of these applicants for a grant. The recommendations of these boards were forwarded to the Grants Committee, with whom the final decision rested. We should, I consider, recognise gratefully the disinterested and invaluable work done by these advising pharmacists throughout the country.

The Society was requested by the Ministry of Labour to accept the responsibility of seeing that the necessary training in pharmacy was provided for these men. In May 1919 it was clearly seen that the numbers of those whose applications for training had been passed by the Grants Committee far exceeded the number (approximately 400) of vacancies in the already existing school of pharmacy. The chairman of the School Committee, Mr. Edmund White, in his inaugural address four years ago, indicated that the provincial universities and technical schools of the country could offer facilities for the teaching of chemistry, botany, and physics in the proposed new curriculum of study. It was decided, therefore, to visit these and see if it were possible to persuade the educational authorities at some of the larger of these institutions to supplement the existing courses in these sciences by the addition of a pharmaceutical department under an efficient pharmaceutical lecturer, and thus form local schools of pharmacy. The result of these negotiations was that some 700 or 800 new vacancies were created at schools in different parts of England, Scotland, and Wales, approved for this purpose by the Society, so that by October 1919 over 1,300 ex-Service men had started their pharmaceutical training. Taking into full consideration the many administrative difficulties—the delay in getting the schemes through the various local education authorities, the scarcity of efficient teachers in pharmacy, and the general shortage of apparatus and books at the time the accomplishment of the task of settling these 1,300 students to a nine months' course of study in schools in different parts of the country has been an achievement of which the Society may well be proud.

I say this not with any desire that we should rest satisfied with what has been achieved, but in order that we may take courage and hearten ourselves for bigger efforts in the future.

#### GENERAL EDUCATION.

The results as shown by the passes at the Qualifying examination of the Society—not by any means a true gauge of the actual education and experience gained by the students—have not been entirely satisfactory, but one must not forget that many of these ex-Service men have had their studies seriously interrupted for four years. Also, it was most noticeable that in some instances their general education was sadly insufficient and inadequate to form a basis for the sciences upon which pharmacy rests. This is a point upon which I should like to lay particular stress: the question of the preliminary general education of our students is one that needs serious consideration. What do we understand by "general educa-

tion"? It seems to me that it is impossible to define what is meant by education, though all authorities agree that its main purpose is to draw out and develop the finer qualities inherent in man, and there is no doubt that the man we look upon as educated is the man whose outlook on life is comprehensive, well-balanced, and well-informed. It has been said that the real object of education should be to form character, and the idea that it consists merely in an ability to pass examinations is obsolete, for education should teach a student not only how to earn a living, but also how to live. Moreover, "the uneducated man is not simply the man who cannot read, write, count, or spell, but he who passes through life unseeing, unheeding, unhappy, and unaccompanied." In the final report of the Adult Education Committee of the Ministry of Reconstruction this statement occurs:

The main purpose of education is to fit a man for life, and therefore in a civilised community to fit him for his place as a member of that community.

The particular place in the community in which our students will find themselves is pharmacy, and we must see that their training and curriculum of study are such that they will best be fitted to perform the duties that at this time and in the future will devolve upon them for the benefit of the community as a whole. Let us recall the trenchant remarks of the late E. F. Harrison in 1917, when he stated: "With a far larger proportion of the public possessing scientific and technical attainments, rharmacists will lose such position of superiority as experts as they now possess, unless there is relatively as much raising of their standards as of others." For want of a better method of gauging the general education of the youth of a country, that of passing certain examina-tions has to be resorted to, and the question arises, What shall be the minimum required by the Pharmaceutical Society of a person desiring to be registered as a student before he can enter upon his training? Considering the rapid advance of education at the present time, in all the schools of the country, particularly the secondary schools, we must see that our students start with a sure foundation of general education upon which to build their future specialised training. To ensure this I think it should not be too high a standard to require that every student before registration should have passed one of the School Certificate examinations which have been recognised by the Board of Education as equivalent to, and interchangeable with, the examinations for matriculation at the point will be emphasised when I deal later with the universities and for entrance to professional studies. taking of a degree in Science at the universities. Under one of the windows of the Pathological Laboratory at Cambridge there is one of Pasteur's sayings: "Dans le champs de l'observation le hasard ne favorise que les esprits préparés." ["In the field of observation chance only favours the prepared minds."]

#### THE CURRICULUM SCHEME.

The provision of training for the ex-Service students, and the fact that the Society was able to promise the allocation of a certain number of them to approved schools, constituted just the chance which enabled the Society to put into operation with comparative ease the curriculum regulations, which have been in course of preparation for several years. This scheme of a curriculum of study has been occupying the minds of pharmacists interested in this subject for several years, and it is a matter of satisfaction that such a scheme approved by the Privy Council now forms part of the regulations of the Society, and already students in various parts of the country, who registered subsequent to December 1919, have started their curriculum of studies in the subjects for Part I.

It is the policy of the Council to put no limit to the number to be approved of efficient technical schools, provided they are running satisfactory courses under qualified teachers in the subjects of Part I. For Part II. it has been deemed advisable to approve comparatively few schools because of the smallness of the number of those entering for the examination in normal times.

#### DEGREES IN PHARMACY.

By this means it is hoped that the numbers attending each of these schools will be sufficient to maintain it in a high state of efficiency, and that each will be a centre of pharmaceutical study and research, and will grow a tradition second only to that of Bloomsbury Square. In connection with these approved schools it is probable that in the near future many of them will become constituent colleges of a university, and that the attendance at their courses in the various subjects necessary for our examination will be allowed to count towards a university degree. Negotiations with several of the universities have taken place, and opinions have been freely expressed as to the practicability of establishing pharmaceutical departments for the purposes of the Qualifying examination and the institution of a degree in Science with pharmaceutics as one of the final subjects. These departments would be under the Faculty of Science or in connection with the Medical Faculty of the university in question.

The utmost desire to assist in any way possible the advancement of the calling of pharmacy upon professional lines has been evinced by the Vice-Chancellors and Registrars of those universities visited, and the following

points have invariably been raised:

(1) They will require that the student shall matriculate before entering upon his studies, either by passing the university's own examination or producing the necessary certificate of having passed its equivalent. They would probably accept such a certificate of general education as they now require from their medical students who are proceeding to the examinations of the Conjoint Board, and not necessarily to the degree of medicine of their own university. This is an additional reason—and, moreover, advantageous to the student—for the Society's increasing the standard of its requirements of each candidate for registration as a student of the Pharmaceutical Society

(2) With regard to the Qualifying examination of Part I. of the Pharmaceutical Society, provided the student has matriculated, the subjects for this part present no difficulty, as suitable courses are already in being for medical, dental, and inter-science students, which they can attend. The attendance at these will count both for the Pharmaceutical Society's Qualifying examination and the university's degree in Science. This joint attendance of pharmacy students with those of other professions should tend to create a feeling of comradeship and mutual respect for each other's calling, and their collateral training may also help to remove the risk of the one trespassing upon the legitimate work of the other in after-life. Some of the universities would probably suggest that, in lieu of the Society's own examination in the subjects for Part I., it should accept a certificate from them that a student has satisfied their examiners in chemistry, botany, and physics. I commend this to the serious consideration of the Council.

(3) The subjects for Part II. will be taken by the students in the pharmaceutical department and under the lecturer in pharmaceutics of the university at which he The student would sit for the examination in is trained. this part-held exclusively by the Pharmaceutical Society -after the completion of the required number of hours of study in the various subjects, probably during his second year. If at this point the student (having passed both parts) finds that for various reasons he has to postpone further attendance at the university he will at least have his pharmaceutical qualification, and can at any future time return to his studies for a degree and take them up at the point he left them without serious pre-If the student elects to go on at once for the degree the course of study for this, during the following two years, could be so arranged that the subjects necessary for the degree in Science should include those of the Major examination, and might cover some at least of the proposed new subjects-e.g., micro-biology, medical radiology, and physiological chemistry. Thus at the end of his three years' course of study at the university it should be possible that the successful and hard-working student will have passed the Qualifying examination of the Society, Parts I. and II., the Major examination, and taken the B.Sc. of the university. A scheme upon these lines is already in operation at one of the provincial universities.

I have endeavoured to show how far the universities might be willing to grant facilities for the student of pharmacy to enter into the fuller intellectual life of such institutions, and it is incumbent upon all pharmacists to consider well the necessity of availing themselves to the fullest extent of all the opportunities thus open to them.

In this connection would it not be well to consider the possibility of getting the Society's School recognised as a constituent part of the University of London?

Two questions at once arise:

(1) At what period is the student to put in the required number of hours in the practical work of a pharmacy? Should it be done prior to his entrance at the university, or in some cases during the first part of his course there? At present I confess I do not see an entirely

satisfactory solution of this problem.

(2) Can this extra knowledge and experience gained at a university be put to practical use for the benefit of the community and the pharmacist's own advancement? I think that it can. There will always be a certain number of openings for men with such training. This was clearly indicated by Dr. Addison in his address to the students at this school in 1918: "As the advance of science brings changes in the methods, appliances, and medicaments used by physicians and surgeous, so as a corollary will there be changes in the demands upon the pharmacist."

It might well be that the solution of many of the difficulties and incongruities that exist at the present time will come in a differentiation of pharmacy as regards both qualification and practice into two branches—commercial and clinical—and be welcomed equally by those whose interests lie with the commercial side as by those whose inclination, education, and training tend towards the clinical and professional side. As medical science advances and the need for more scientific diagnosis is appreciated, there must of necessity arise a demand, at least in every large district, for men skilled in analysis of body fluids and in the preparation of biological and other products. This is especially indicated in the work of the proposed primary and secondary health centres to which we have referred. The larger manufacturing firms are beginning more and more to appreciate the advantage and necessity of employing highly trained and widely educated men to engage in research work in various directions, such as the improvement of processes of manufacture and the reduction of costs. I maintain that this present time is pharmacy's educational opportunity, and without waiting to solve all the difficulties that present themselves we should take courage and go forward. Let us see to it that pharmacy has men prepared and trained ready to do this work, and await the "chances that only favour the prepared minds."

ADVICE TO STUDENTS.

It is usual before concluding an inaugural address to address oneself particularly to the students, and I do not intend to shirk this duty or miss the opportunity. You students have been sent here at the expense either of the Government or of your own people, you are being given a chance of an introduction to a real education in those sciences which underlie the practice of pharmacy, the career which you have chosen to be your life's work. I can assure you you are being given, in common with students at other such schools now established in the country, great opportunities, and in this particular school you have the additional advantage of the accumulated experience of successive teachers. You have here excellent laboratory accommodation for the studying of chemistry and pharmacy, and you have, in addition, access to a valuable collection of specimens by means of which you can study the comparative merits and distinguishing features of the different drugs used throughout the world. And, moreover, you have here those fine and worthy traditions which have always been associated with this-the parent and premier school of pharmacy in the country. Every young British pharmacist should know something of the history of his calling and the part the Pharmaceutical Society has played in advancing its progress and welfare. Read of the work of distinguished British pharmacists of recent times—Jacob Bell, Daniel Hanbury, William Allen, Martindale, Michael Carteighe, John Umney, and Edward Harrison. Do not allow the examination which is coming at the end of your course to loom too largely upon your horizon. Sir Arthur Quiller-Couch, in a lecture to students at Cambridge upon the art of reading, said that in reading for an examination

you learn to discipline yourselves, you acquire the art of marshalling, or concentrating, driving your knowledge upon a point; and—for you are young—that point is by no means the final point. Say that it is only an examination, and silly at that. Still, you have been learning, you have been training yourself to be, for better purpose, effective.

But, I hear you say, examinations are always a matter of luck and chance. But let me again remind you of Pasteur's saying, "Chance only favours the prepared minds." In order that you may the more easily and happily reach your immediate objective—and you will always find another one beyond—see to it that you do not neglect reasonable mental recreation in literature having no reference to the examination, and in order that you may keep physically fit, take your part in the sports and entertainments of the school, and on all occasions prove yourselves to be loyal to your teachers, your fellow-students and yourselves. (Applause.)

The President: I am sure you will agree with me that it has been our privilege this afternoon to listen to a very interesting and a very comprehensive address. I think Major Peck has done well to choose the subject of pharmaceutical education as the subject-matter of his address, because he is undoubtedly quite a master and authority upon that subject. I am also glad that in the course of his address he has reviewed the field of work which the Pharmaceutical Council and those associated with them have been engaged upon during the last eighteen months in the formation of the training centres throughout the country and in the allocation to them of ex-Service men who have secured Government grants to help them in their training. He has reviewed that work very thoroughly, and I am very glad that such has been the case.

#### Votes of Thanks.

Mr. C. A. Hill, in proposing a vote of thanks to Major Peck, congratulated the Council of the Society on having secured the services of such an eminent pharmacist to deliver the inaugural address. He congratulated Major Peck upon having given them an address which was not only interesting and instructive but was highly stimulating and suggestive. Particularly he desired to congratulate the students and the other members of the audience on having been afforded the opportunity of listening to the address. Major Peck seemed to throw off these things with a facility which some of them very greatly envied; and he hoped they would have many more addresses from him. As pharmacists they were particularly looking forward to the one he would deliver at Scarborough next July. The Council had not only provided them with an admirable inaugural address, but with admirable showers of dust from the roof to prevent them falling asleepwhich, of course, was quite unnecessary. (Laughter.) He urged the students during the forthcoming session to take seriously to heart the advice which Major Peck had enjoined upon them, especially in the latter part of it.

Mr. Thomas Ridley (Mayor of Carlisle), in seconding, said that was the first occasion on which he had attended a meeting of the kind. Happening to be in London in the performance of his official duties as the Mayor of Carlisle, he thought he would extend his visit in order to attend the lecture—at the expense of the ratepayers of Carlisle. (Laughter.) Another reason for his attending was that several weeks ago he had the pleasure of meeting Major Peck when he visited Carlisle to examine candidates at a centre where he hoped a university would be established in the near future. (Applause.) Even old pharmacists like himself could take in and benefit from

the excellent advice contained in the inaugural address. If they did so, they would be better men and better pharmaeists.

The vote of thanks was unanimously carried, and Major

Peck briefly acknowledged it.

The winner of the Pereira Medal (Mr. Page), having arrived too late in the proceedings to receive his prizes with the other winners of honours, was then called upon by the President, who, congratulating him upon his success, reminded him that he had secured what is regarded as the blue ribbon of pharmaey.

Mr. Page made a brief acknowledgment.

A vote of thanks to the President was proposed by Mr. F. W. Gamble; the President, in replying, remarked that it was just twenty years since he entered the Society's School of Pharmacy.

#### Qualifying Examination Results.

The following are the results of the examinations held this month in London:

\	No.	Part I.		Part II.	
		Absent	Passed	Absent	Passed
Entered for whole Examination Entered for Part II.	300	11	111	3	59
and referred subject in Part 1	111	5	92		48
Entered for Part I.	18	·	11		_
Entered for Part II.	152	- 1	<del>-</del>	. 3	77
Referred subject in Part II	73	-	-	1	56
	654	16	214	7	240

Referred in one subject: Botany, 8; Chemistry, 40; Physics, 3; Materia Medica, 24; Pharmacy, 67; Poison Law, 1.

The following have satisfied the examiners: Adderley, B. J., Crewe Andrews, D. E. F., London Arnold, Agnes F., Waterloo Barclay, W. E., Clapham Bedford, D. G., Port Talbot Bentley, J. R., Leeds Blakeman, C. D., Timperley Bowring, Lilian M., Wickford

ford

Breeze, A. F., Birmingham Brelsford, James, Oldham Brooks, Leo M., Camberwell

Brown, E. S., Radcliffe Burgess, E. L., Ferndale Carnall, H. D., Hove Charlton, Arthur, Normanton

Constable, P. S., E. Molesey Cook, A. C., Cape Town Cook, A. L., Birmingham Cornthwaite, H. S., Lan-

caster
Costin, A. G., Dunstable
Coulter, J. E. E., Flint
Coupland, Fred., Stafford
Cox, Richard H., Heamoor
Crellin, W. C. C., Castletown, I. of M.
Cresswell, E. P., Braintree
Cross, C. W., Lincoln
Cunningham, J. H., Wimbledon

bledon

Dale, John D., Sheffield Davies, A. G., Dowlais Davies, J. W., Southport Dawson, Clarice, Blackpool Dawson, Clarice, Blackpool Down, R. T., Bristol Dungworth, J. W., Sheffield Evans, A. R. L., Llandudno Evans, H. B., Rhyl Evans, R. H., Cemmaes Farmer, R. J., Castle Grestley. lev Forshaw, James, Newark Francis, G. T. R., Wrexham Gardner, Kathleen M., Brockley Brockley
Gill, W. F. E., Bristol
Gilman, W. D., Leek
Gower, D. I., Barry
Gregory, J. M., Wigan
Guy, Alfred W., Brighton
Hall, Fred., Sandbach
Hallett, Eric., Rochdale
Hayes, B. G., Mansfield
Haynes, T. G., Wellingborough Heard, Doris M., Peckham Heron, Gwendolin E., Sid-mouth Hibbert, J. L., East Kirby Higson, J. C., Burnley Hill, Kathleen D., Guild-ford Hoare, R. J., Weybridge

Hollyoak, N. F., Lye
Holt, F. S., Hull
Hotter, G., Gainsborough
Howell, E. W., France
Iliffe, W. R., Liverpool
Irving, H. O., Weaste
James, Arthur, Bishopston
Jones, T. H. H., Penybont
Station Pullen, F. E., Gloucester Randell - Jefferies, C Station Kesterton, Violet G., St. Helens
Laycock, E., Hurlingham
Leigh, A. G., Lichfield
Levy, N. L., Clapham
Lewthwaite, Gwendolen C., Sydenham Sydenham
Little, Ethel M., Treforest
Lord, Frank, Blackpool
McEllin, J. H., Audley
Main, J. O., Malvern
Marsh, W. K., Wallasey
Massey, W. E., Brighton
Mctcalfe, A. F., Withernsea Midwood, H. T., Manchester Mitchell, W., Edenbridge Moorhouse, H. H., Blackpool pool
Moreton, R. C., Nuneaton
Naylor, Sidney, Sunderland
Neale, O. T. S., High
Wycombe
Nicholson, A. V., Exmouth
Oats, Richard C., Relubbus
Ormrod, T. E., Wigan
Parry, May T., Liverpool
Pilgrim, C. O., Melton
Mowbray Mowbray

Pari II.

The following, having satisfied the examiners in Part II., have been registered as chemists and druggists: Foley, John, Wolverhamp-

ton

Anderson William, Cheetham Annis, Harold Manchester Annis, Harold Manchester Baker, L. D. Tauuton Bamford, William, Norden Barns, J. H., Exeter Butterfield, Tem, Wakefield Beek, P. G., Burgess Hill Bilteliffe, H. C., Barnsley Bobby, S. C., Soham Booth, Reginald, Wyke Pradbury, Fred. Blackpool Brewer, J. D., Truro Broad, James Liverpool Brookes, E. S., Barrow-in-Brookes, E. S., Barrow-in-Furness

Brown, A. J., Derby Brumwell, C. V., Norwood Burgess, J. W., Ferndale Burgess, J. W., Ferndale Butterworth, John, Denton Butterworth, J. W., Bolton Calvert, H. H., Brierfield Carpenter, James, Polegate Carter, F. J., Bispham Chezan, Myer, Cheetham

Hill Clark, W. D., Louth Clarke, A. O. L., Catford Dorothy, Bromley Clarke, A. O. L., Catford Clayton, Dorothy. Bromley Clayton, John, Oxford Collins, Stanley. Oldham Cooper, E. J., Crewe Cox. T. J., West Bridgford Craddock, C. H., Blackpool Davies, G. E., Ton Pentre Densham. Herbert, Leicester Diggle, W. S., Rochdale Dobson, Arthur, Blackburn Donaldson, Henry, Cannock Downer, G. F. A., Southampton ampton

ampton
Durkin, T. A.. Blackpool
Edwards, David, Mardy
Edwards, S. B.. Barry
Elliott, H. P.. Brixham
Evans, J. I. H., Ferndale
Farrant, E. E.. Uxbridge
Finch, Jaeob, Norwich

Handsworth Richards, I. Pentre Riley, E. C., Nottingham Roberts, Edward, Glen Aber Robinson, A. G., Patrington Robinson, G., Forest Hill Robinson, W. G., Liverpool Rowe, C. E., Liverpool Skipworth, B. C., Gran-Skipworu, tham
Smith, W. L., Cinderhill
Speight, C. E., Southport
Squire, William, Trealaw
Thomas, A. W., Tredegar
Thomas, H. J., Gorseinon
Thomas, H. W., Westonsuper-Mare
Thomas, Jenkin, Oxford
Thomas, Trefor, Cardiff
Tonkin, Leslie, Penzance
Upson, P. C., Gosport
Vale, Arthur, Woking
Varley, Edgar, Horwich
Walker, W. S., Boar's Head
Walton, Sydney, Durham Walton, Sydney. Durham Watson, P. E., Golders Green Westcott, K. C. H., Bristol Weston, A. E., Runcorn Williams, D. E., Leicester Wilson, D. W. H., West

Kirby Winter, Ronald, Brixton Woodcock, J. L., Tarporley Woolwich, Harris, Liver-

Furness, H. L., Ansdell Gartside, Fred, Delph Gower, S. J., Toubridge Granger, G. B., Handsworth Greenwood, H. G., Southpoet port
Hackett, D. G., Leieester
Hall, H. T., Bristol
Hancock, P. W., Shepperton
Hannam, G. H., Leieester
Harris, J. A., Porthleven
Hemingway, C., Worcester
Hodgetts, H. N., West Bromwich Hodkinson, F., Wigan Inkster, C. C., Sutton James, A. P., Aberystwyth James, D. A., France Johnstone, R. D., Woolwich Jones, L. G. J., Hackney Kenyon, J. G., Barrow-in-Furness Leach, Edith. Dunmow Levin, H. V., Burton-on-Trent Lightfoot, George, Penrith Lipkin, Reuben, Oudtshoorn Little, E., St. Annes-on-Sea Lockett, Hilda A., Longton Lockey, S. T., Newcastle-

on-Tyne March, Gerald, Balham Montgomery, Hugh, Dublin Morgan, Selwyn, Treforest Moss, G. H., Little Sutton Moss, G. H., Little Sutton Mulholland, J., Bristol Nash, H. J. S., Eastbourne Nixon, J. W., Lincoln Norman, William, Bristol Owen, T. B., Garnant Pattinson, G. A. F., Lei-

Pearce, G. T. F. C., Middlesbrough Pinson, P. J., Willenhall.

Phazey, H. T., Bordesley Player, Phyllis M., Bath Potts, G. R., Denton Proctor, J. C., Morpeth Ramage, W., Isle of Wight Rateliffe, Ernest, Darwen Ritchie, George, Aberdeen Robertson, J., Folkestone Robinson, J. A., South Shields
Rowley, W., Handsworth Russell. F., E. Southsea Sale, H. R., Brixton Salmon, John, Porth Sayle, Thomas L., Balliam Shannon, T. J., Chichester Sillitoe, A. L., Sudbnry Smith, Mary, Shepshed Standish, Elsie, Chorley Stenson, Charles, Bolton Storey, G. A., Ware Surr, T. B., Bolton Surridge, E. W., Plymouth Swain, Thomas, Bath Tandy, T. E. G., Hastings Tappenden, Beatrice M., Dover Thomas, A. B., Forest Hill

Thomson, Sophia, Hoylake Todd, G. B., Appledore Tottenberg, R., Aldgate Turner, Harry, New Mills Turner, Olga, Hull Walker, Alfred, Eccles Walker, R. H., Doncaster Walmsley, J. C., Burnley Walton, F. W., Wolverhampton Walton, W. H., Kegworth Watts, T. W., Letterston Weavers, F. J., York White, C. A., Dunstable White, D. G., West Bridgford Wilkinson, J. R., Darlington Wilks, Eleanor B. A., Birmingham Williams, C. E., Rochester Williams, E. N., Holywell Williams, E. N., Holywell Williams J. E., Port Talbot Wilson, D. L., Clapham Rise Wilson, W. M., Nottingham Wilton, N. C., Charlton Wood, E. A., Nottingham Woodhouse, G., Heanor

#### PARTS I. AND II.

The following, having satisfied the examinors in Parts I. and II., have been registered as chemists and druggists:

Allen, Mary L., Saltley Arthur, Catherine Blaenau Festiniog Attrill, R. H., Bembridge Belchetz, M., King Williams Town Bennett, Gladys E., Handsworth
Berry, W. J., Bala
Blakelock, Grace E. S.,
Whalley Range Bridges, L. N., Gloucester Bridson, J. C., Liverpool Brumby, H., Bedford Park Burdett, Dorothy E., Southsea Burr, H. B., Rochester Buxton, H. E., Balham Campbell, J. C., Redditch Campbell, O., St. Helens, Catt, W. J., Westminster Caunt, Christian, Kington Clark, R. N., Wigton Clarke, W. E., Bulwell Clegg, Harry, Burnley Cocking, J. W., Golders Burr, H. B., Rochester Grech Collingworth, W., Bishop Auckland
Collison, T. W., Leicester
Cossey, S. J., Norwich
Cottle, Ada A., Bristol
Daniel, G. R., Middlesbrough Davies, J. G super-Mare J. G. I., Weston Davies, T. E., Ammonford Davis, A. W., Maidstone Diplock, G. W., Staplehurst Dowling, Mildred, Maid-Draper, Lilian, Almondbury Draycott, H. M., Burton-on-Trent Dutta, B. B., Kilburn Eldred, H. B., Shrewsbury Evans, W., Cross Hands Fairman, G. S. P., Sunderland Farrow, Jeannette, West-combe Park Field, Florrie, Bradford Fordham, L. E., Thornton Heath Fox, T. H., Clapham Friedland, H., Manchester Gadsby, F. L., Lincoln

Gartside, Harold, Oldham Gifford, T. C., Blackburn Glanville, A. V., Portsmouth mouth
Grosvenor, A., Smethwick
Guy, Jack, Oldham
Haddon, A. W., Amersham
Hale, J. H. S., Brixton
Hall, L. C., Norwich
Hammond, G. G., Stockport
Higgins, C. G., Bath
Hooper, E. B., Bristol
Howarth, T. M. Guis-Howarth, T. М., borough
Jackson, A., Leicester
Jeffery, J. L., Norwich
John, W. D., Clapham
Kay, A. W., Birmingham
Kent, C. G. Wallington
Kinghorn, J. C., Cromer
Knowles, F. J., France
Leigh, W. R., Brighton
Lines, R. J., East Dereham
Lintin, H. C., Lincoln
Marriott, A. W., Nottingham borough ham Mason, E. G., Huntingdon Mulcahy, Elizabeth Manchester Parkin, Frank, Kendal Parr, E. A., Croydon Pollard, J. T., Reddish Postlethwaite, F., Barrowin-Furness Powell, G. S., Hinckley Pratt, F. H., Reigate Quant, Phyllis, Torquay Raine, R. H., Middleton-in-Teesdale Rathbone, Arthur, Runcorn Rees, C. A., Kidwelly Richards, C., Brynsilneyn Ridgley, R. S., Cambridge Ritson, Fletcher, Carlisle Ritson, Fletcher, Carlisle Rolfe, A. V., Cheveley Royal, F. B., Norwich Sainsbury, Edith W., Havant Sawyer, J. B., Southport Sharrock, J. A., Birkdale Shaw, B. W., Harborne Shaw, R. S., Cheltenham Smith, E. W., Dudley Stableford, R. C., Leicester Stableford, R. C., Leicester Stalker, Gertrude L., Bath Sutton, J. F., Upper Norwood Taylor, H. A., Tufnell Park

Thomas, W. L., Liverpool Todd, G. W., Finsbury Park Towler, Gladys M., Cambridge Treglown, W. H., Marazion Wardropper, H., Sunderland Watchorn, R. M., Wakerley Weston, A. I. C., Walsall Weston, A. E., Ealing

Whiteside, W., Blackpool Wilkins, C. H., Rotherham Williams, W. J. M., Teignmouth Wilson, G. A. H., Sowerby Bridge Wilson, Percy, Leeds Wright, A. W., Bristol

#### Indian Industries.

#### V.-The Mowra Tree.

THERE are probably few trees in our Indian Empire of greater economic value than the mowra tree. It is satisfactory to learn that this is now being generally recognised and that its cultivation and propagation are being largely extended. In years of famine and scarcity, or high cost of grain, the flowers that fall from the mowra tree at the commencement of the warm weather in April are eagerly collected by millions of villagers, and form the chief mainstay of the poorer classes of people in many of the most populated districts. It was estimated a year ago that the price of these flowers from the then existing trees could not be less than half a million rupees. The price of them last year in one large market was a rupce for about 500 lb. weight. It varies, of course, with their scarcity or otherwise, and with the price of other food crops. Besides being the food of millions of human beings, the mowra flowers are greatly appreciated by cattle, and the milk of cows fed on a daily ration of mowra is very rich. The Government of India derives a large revenue through its Excisc Department from liquor distilled from mowra flowers. There are several distilleries which use nothing else. The seed gives an excellent oil, which can be used for most domestic purposes, and local soap factories use it largely. It has the reputation in India of medicinal virtues in the treatment of skin diseases. Before the war the Germans were exporting large quantities of clarified mowra oil from India for mixing with ghee. The wood of the tree is of a reddish-brown colour, and is hard and durable. It is heavy, weighing about 68 lb. per cubic foot. It is largely used in house building for beams, posts, and rafters, and the villagers also hollow out the trunks to make dug-outs. To a smaller extent it is used for turnery, naves of wheels, yokes, and furniture where strength is required and weight is not a consideration. The bark is used in the preparation of a dark-brown dye, and when mixed with the leaves it makes a tanning material. The mowra tree is thus one of the most valuable assets of India. A few years ago, when grain, oils, and ghee were cheap, the seeds of the mowra tree were rarely collected, and they had a chance of germinating annually in the forests, but now, with the cost of living gone up from 200 to 400 per cent., the seeds of the mowra tree are everywhere sought for and collected before they have a chance to mature and drop, and consequently very few new trees are springing up. There are always blank spaces in Government reserved forests which might be utilised for the propagation and cultivation of mowra trees. They grow even on stony soil, and require no particular care to preserve them beyond protecting young plants from being trampled down or grazed over by cattle. The Forest Department can prevent cattle from grazing over large areas, and are thus best able to propagate successfully this most valuable tree, which requires no other assistance and, after a few years, no attention at all. Government officers also might be directed to take advantage of the many opportunities they have to encourage villagers to cultivate and propagate the mowra

Turkish Mercury.—Cinnabar ore is found throughout the province of Aidin (Turkey). It has not as yet been much developed. The only mine at present actually worked is British, that of Karaburnu, situated on a hill at the entrance to the Gulf of Smyrna.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

#### 42 Cannon Street, E.C. 4, Oct. 7.

There are signs of returning confidence in Mincing Lane produce circles, with buyers more disposed to cover their requirements. The brighter outlook for a settlement with the coalminers has no doubt helped in the placing of orders previously held up. At the same time, it is difficult to see how any decided improvement can take place until relief is afforded from the present excessive taxation, which discourages legitimate business enterprise. The majority of price movements are again downwards, about the only articles which have appreciated in value being glycerin and Japanese refined camphor. Ipecacuanha has been sold at lower prices, but is now steadier. Balsams Peru, copaiba, and tolu are cheaper. Asafetida has been sold at high prices. Cod-liver oil is easier; ergot is dull, and yalerian rather lower. Menthol is slightly weaker. Pharmaceutical chemicals continue extremely quiet, and price-shading is general. Bromides have been reduced in America, but London is still the cheapest market. Barbitone, thymol, lactic acid, tannic acid, salicin, codeine salts, phenazone, and paraldehyde are cheaper.

Higher	Firmer	Easier	Lower
Camphor (Jp. ref. slabs) Coca leaves (Amst. auction) Dill-seed Glycerin (c.p.)	Fenugreek-seed Soda nitrite	Balsam tolu Barbitone Bois de rose oil Chrysarobin Cod liver oil Farina (Jp.) Formaldehyde Homatropine and salts Hydrastine and salts Lead acetate Lithopone Menthol Paraldehyde Patchouli oil Phenazone Quinine (sec. hands) Soda acetate Soda sulphite Sweet orange Thymol Valerian (Belg.)	Balsam Peru Camphor (Eng. ref. flowers) Camphor monobromide Cocaine Codeine salts Lactic acid Linseed oil Platinum Salieln Soda bichro- mate Soda bichro- mate Soda bromide Soda sulphide Tannic acid Turpentine Urea

#### Cablegrams.

Amsterdam, October 7.—At the auction of Java coca leaves held here to-day, holders were disinclined to sell below an average unit of 25 cents per half-kilo. The equivalent of 5,382 kilos total alkaloids offered, of which 1,465 kilos sold, at the average unit of 25.18 cents, compared with 14.44 cents at the September auction.

New York, October 5.—Business is quiet. Bromides are lower, granular potassium having been reduced to 60c. and crystals to 63c.; soda is 55c., ammonium 60c., and strontium 55c. Menthol is 25c. lower at \$7.00 per lb. Buckthorn-bark has been reduced to 25c., and balsam Peru to \$3.25—a reduction of 25c. Canada balsam is lower at \$15.00 per American gallon, and Oregon balsam is also lower at \$1.75. Acetanilide is cheaper at 50c. per lb.

AMIDOL is steady at 11s. 6d. per lb. for cwt. lots of British make, although low forward offers of German manufacture have been made. These, however, are based

on the present low rate of exchange, and are considered unreliable. The same applies to metol, which is unchanged at 20s. per lb. in cwt. lots for English make.

Ammoniacum.—Good pale loose drop can be had at 7s. 6d. per lb., at which sales have been made.

ARSENIC.—There is a steady demand, and with supplies comparatively small, the tendency continues firm at from about 761. to 771. per ton delivered here or Liverpool. At the current prices ruling there should be an increase in the supplies from Continental and colonial sources.

ASAFETIDA.—Small arrivals of Persian Gulf have taken place, but they have been disposed of, prime quality realising extremely high prices.

Atropine.—English makers quote the pure crystals at 50s. and the sulphate at 40s. per oz.

BALSAM PERU is cheaper, with spot sellers at 21s. to 22s. per lb. Imports valued at 2,048l. have been received from the U.S.A.

BARBITONE is easier, importers offering at from 22s. 6d. to 23s. 6d. per lb. net, as to quantity.

BEBERINE SULPHATE.—Makers have reduced the price from 20s, to 16s, per oz.

Belladonna-leaves.—Spot sellers quote 1s. 6d. per lb. for 0.05.

Bromides.—Owing to sharp competition with imported German stuff, the American makers have reduced their prices (see cable), potash being 15c, per lb. cheaper. Even at the reduction London can offer much below the U.S. parity, potash being obtainable at 1s. 8d. to 1s. 9d. for crystals or granular. Soda is 2s. 6d. to 2s. 8d., and ammon. is 2s. 9d. Attention is called to the fact that some of the German potash offered is of poor quality.

CAMPHOR (REFINED).—The market for Japanese refined slabs is dearer, with spot sales at from 6s. 3d. to 6s. 9d. per lb. English refiners have reduced their prices by a further 6d. per lb. to 10s. per lb. net.

CAMPHOR MONOBROMIDE is cheaper, importers offering at 20s. per lb.

CANARY-SEED is firm at 172s, 6d. per quarter for good Morocco and 140s, for cleaned River Plate,

Cantharides.—Russian are slow of sale at about 14s. per lb.

CARAWAY-SEED is steady at 39s. to 40s. per cwt. for fair Dutch and 20s. to 21s. for North African.

CHAMOMILES.—New Belgian crop are selling at about 165s, per cwt. on the spot, and old crop at from 110s. down to 95s., as to quality.

CHLORAL HYDRATE is obtainable at from 6s. 6d. to 6s. 9d. per lb. for duty-paid crystals, as to packing.

CHRYSAROBIN is easier, makers offering at 14s. per lb.
CITRIC ACID has been in slightly more demand, chiefly

on export account, with spot sellers at from 38. 8d. to 38. 9d. per lb.

CLOVES.—Zanzibar are steady at from 1s.  $7\frac{1}{2}d$ . to 1s.  $8\phi$ . per lb. on the spot. Spot stocks of Zanzibar remain heavy at 13,045 bales, against 10,077 bales in 1919.

CODEINE.—Makers have reduced the price of the pure crystals by 4s. 6d. per oz. and the salts by 4s. per oz. They quote 22s. to 23s. for the pure crystals and 18s. to 19s. net for hydrochloride, sulphate and phosphate, salts, according to quantity.

COD-LIVER OIL.—Prices from Norway are somewhat easier, finest medicinal oil offering at from 260s. to 265s. per barrel c.i.f. London.

COPAIBA.—Spot sellers of B.P. quality quote 3s. 6d. per lb., which is slightly easier.

COPPER SULPHATE.—Tentative inquiries continue to come in from Spain and some other Continental countries, but this has so far led to very little business. Apparently Italian competition is assuming larger dimensions, but the view is held by merchants here that eventually some of the overseas business lost through Italian competition will come back to this country, since the sulphate supplied by Italy is by no means of good quality,

and this fact is said to have given rise to frequent complaints by consumers. To day's quotations as given by makers are about 42l. to 43l. per ton for casks f.o.b. Liverpool

CORIANDER-SEED.—There has been a good demand for sound Morocco with sales at 20s, to 22s, per cwt. for fair to good bright.

CREAM OF TARTAR has been in a peculiar position for some time past, as there is a good deal of material in second hands, which is either being sold at practically cost price or at a loss. The English makers' price is 250s. per cwt. for 99 to 100 per cent. powder, and there are sellers of foreign powder at 240s, and in some cases at even less.

Cumin-seed is slow of sale at 32s. 6d. to 35s. per cwt. for ordinary to good sifted Morocco.

DILL-SEED.—The stock in London is now very small, and

25s. per cwt. is quoted for a few bags.

Egg Products continue quiet. Chinese liquid hen-yolk is offered at 87s. 6d. per cwt. for old, 112s. 6d. for new, and at 100s. c.i.f. for October-December shipment. Dried yolk on the spot is 9d. to 9½d.; sprayed whole egg is 1s. 9d.; and native dried whole, 10½d. per lb. spot. Albumen is unchanged at 4s. 10d. for prime on the spot, and for October-December shipment 4s. 9d. c.i.f. is quoted.

Ergor is quiet at from about 14s. 6d. to 15s. per lb. on the spot.

Farina is quiet, with No. 1 Japanese offering on the spot at 31s. per cwt., and sellers of October-November shipment at 29s. 6d. c.i.f.

Fenugreek-seed is firmer again, with business done at 15s. 9d. per cwt. for fair Morocco.

FORMALDEHYDE is easier, usual 40 per cent. volume in casks offering at 300s. per cwt. and quantity at less. Powder (paraformaldehyde) is from 6s. 6d. to 7s.

Galbanum.—Fair drop and part block can be had at 5s. 6d. per lb.

Galls.—Persian are unchanged, with fair spot stocks. Blue offer at 115s. and green at 95s. to 103s. per cwt. Chinese plum offer at 175s. and ordinary shape at 150s. on the spot.

Gentian is quiet at from 55s. to 60s. as to quality and seller.

GINGER continues slow of sale, with holders of wormy Cochin inclined to meet buyers. Good Jamaica continues scarce, and held for previous high prices.

GLYCERIN.—The price of chemically pure (s.g. 1.260) has been advanced by the British refiners by 10*l*. per ton to 140*l*. per ton, naked on 5-ton contracts, and in 56-lb. tins in cases the price is 155*l*. per ton.

HOMATROPINE is easier, hydrobromide offering at 85s., hydrochloride at 98s., and the alkaloid at 107s. 6d. per oz.

Hydrastine.—English makers have reduced the list price by 10s. per oz., quoting the alkaloid and the hydrochloride at 170s. per oz.

IPECACUANHA has been in better demand and the cheaperpriced lots of Matto Grosso appear to have been disposed of, nothing now being obtainable below 15s. to 15s. 6d.; Minas is 14s. 6d. and Cartagena is 14s.

LACTIC ACID is lower, B.P. quality offering at 48. 6d. per lb. in carboys and U.S.P. in bottles at from 4s. 3d. to 4s. 6d.

Lead Acetate is easier, white crystals offering at 85*l*. per ton, grey at 82*l*. 10*s*., and brown at 80*l*. per ton delivered U.K.

LINSEED OIL.—After advancing to over 82l. 5s. per ton for spot delivery, prices have reacted to 77l. 10s. per ton, and in Hull 74l. per ton naked is quoted.

LIQUORICE ROOT is quiet, with Spanish offering at about 65s. to 70s. c.i.f., but rather less will buy on spot. Cut natural can be had at 57s. 6d. and cut decorticated at 120s. to 125s. per cwt.

LITHOPONE is quiet, with American 30 per cent. white offering at about 46l. 10s. to 47l. per ton c.i.f.

EYCOPODIUM continues very scarce, the nominal value being 19s. to 19s. 6d. per lb.

Menthol continues dull and slightly easier, with spot sellers of Kobayashi-Suzuki at 29s. to 28s. per lb.

Mercury.—There has been some talk of an improving market in the American trade, but the demand there is still confined to small lots and supplies are ample to go round. There is not much doing in this market, but the undertone is steady at 18l. to 18l. 5s. per bottle.

Morphine is unchanged, hydrochloride powder offering at 15s. and crystals at 15s. 3d. per oz., other salts being as follows: Acetate, 15s.; diacetyl hyrochlor., 27s. 6d.; ethyl hydrochlor., 28s. 6d.; meconate, 18s. 9d.; sulphaterystals, 15s. 3d.; powder, 15s.; and tartrate, 18s. 9d. per oz. The pure alkaloid is 19s. and præcip. 18s. 9d. per oz. net.

Nux Vomica.—Offers for shipment from India continue very high, including one of 69s, per cwt, for Madras for January-March shipment. Large operators are inclined to hold off.

OPIUM.—The London market for Turkey druggists' is very quiet, with sellers maintaining their previous prices of from 20s. to 21s. per lb.

SMYRNA, September 25.—The sales this week amount to 16 cases, of which 14 are new Karahissar, at 17s. to 18s., and two old Karahissar at 19s. The exchange is 416 piastres per pound sterling for cheque, and \$0.85 for one Turkish paper pound. The arrivals are 326 cases, against 650 at same date last year.

Parallehyde is slightly easier at from 3s. 9d. to 4s. 3d.

per lb. as to quantity.

Pepper is quiet, with spot sellers of fair black Singapore at  $6\frac{3}{4}d$ .; to arrive. September-November and October-December shipment has been sold at  $6\frac{7}{8}d$ . c.i.f., with further sellers at  $6\frac{3}{8}d$ . c.i.f. Lampong is  $6\frac{3}{8}d$ ., Tellicherry  $7\frac{3}{4}d$ ., and Aleppy  $7\frac{1}{4}d$ . per lb. spot. White pepper is firm, with spot sales of Muntok at 1s.  $3\frac{1}{2}d$ .; afloat has been sold at 1s. 2d. August-October at 1s.  $1\frac{7}{8}d$ .; September-November and October-December at 1s.  $1\frac{3}{2}d$ . to 1s.  $1\frac{5}{8}d$ . c.i.f. Singapore is 1s.  $2\frac{3}{4}d$ ., and for October-December shipment 1s.  $0\frac{1}{2}d$ . c.i.f. has been paid.

PHENACETIN can be had at from 13s. to 13s. 6d. as to quantity.

PHENAZONE is easier at from 16s. 6d. to 17s. 6d. per lb. as to quantity. Price-cutting continues very keen.

PIMENTO is quiet, with spot sellers at 4d. per lb.

PLATINUM has been reduced by 20s. per oz. to 520s., and scrap is 110s, lower at 410s, per oz.

POTASH PERMANGANATE.—With continued arrivals from the Continent, competition continues keen, spot prices of crystals varying from 3s. 6d. to 4s. 6d. per lb.

SAFFRON.—It is reported that the next crop of Spanish, to be collected in about a month, will be short owing to the fact that very little was planted; labour conditions have also been very unsatisfactory. Spot price is unchanged at 72s. 6d. per lb. for finest Valencia.

Saler.—Small sales have been made at 4s. per lb.
Salicin.—Makers quote 40s. per lb., which is a reduction

of about 10s. on our previous quotation.

SASSAFRAS BARK.—The spot value is about 3s. per lb. Senega valued at 1,590l. has been imported into London. Spot prices are unchanged at about 8s. per lb.

SHELLAC is steady, with spot sales of usual standard TN orange at 650s. per cwt. and off standard quality at 610s. Fine second orange is 720s., RLI 725s., Kala 460s., AC cakey 550s., GAL 530s., and JG 500s. Futures show an irregular advance, sales including October at 560s. to 605s. and December at 535s. to 600s. to 565s.

SILVER NITRATE.—The price on October 6 for crystals was based on a metal price of  $56^{\circ}_{6}d$ . per oz. as follows: In quantities of 50 oz., 3s.  $4^{\circ}_{4}d$ . per oz.; 100 oz., 3s.  $4^{\circ}_{4}d$ .; 250 oz., 3s.  $3^{\circ}_{4}d$ .; 500 oz., 3s.  $3^{\circ}_{4}d$ .

Soda Salts.—Bichromate is easier owing to American competition, with 1s. 4d. per lb. quoted in casks on the spot. Bisulphite is firm, 60 to 62 per cent. powder offering at 50l. per ton in casks and kegs and 52l. f.o.b. in druns. Accetate is cheaper, prime white on spot offering at 56l. per ton. Nitrite is slightly firmer, 96 to 98 per cent. offering.

at 85l. per ton in casks. Sulphide is cheaper, with crystals (30 to 32 per cent.) offering at 28l. and concentrated (60 to 62 per cent.) at 56l. per ton in casks. Sulphite is easier, commercial offering at 20l. per ton in casks and reacrystals at 35l. per ton in kegs. Phosphate is firm at 45l. per ton for commercial crystals (98 to 100 per cent.) for prompt delivery. Hyposulphite commercial crystals offer at 35l. and pea crystals at 45l. per ton.

STRYCHNINE.—English makers' price for the pure B.P. crystals is 9s. 10d. and powder 9s. 9d. per oz.; sulphate is

SUGAR. The Royal Commission on the Sugar Supply make no alteration in the prices for the period October 2 to October 30, the rates being as given in the C. C D., September 11 (p. 71). The maximum "reasonable" price for all licensed "free" sugar has been fixed at 120s. per cwt. wholesale, less  $1\frac{1}{4}$  per cent., duty paid, ex store, and the retail price for domestic preserving only is 1s. 3d. Effervescing preparations, syrups, etc., have lately been reduced following the recent fall in sugar.

TANNIC ACID is cheaper, B.P., leviss. offering at from

7s. 6d. to 8s. per lb. in kegs.

TARTARIC ACID.—The English makers quote 2s. 10d. to 2s. 11d. per lb. according to quantity, but at the moment the market is influenced chiefly by the secondhand stocks, which are obtainable at several pence below the above prices. Demand has improved somewhat this week, with more inquiry from the home trade.

THYMOL is in rather more demand, sellers quoting ex

Ajowan seed at 46s. per lb.

TURPENTINE.—The home trade demand has remained quiet, and speculative support for deliveries running into next year having slackened off, the trend of values has been upon the whole lower, the spot price having declined about 6s. on the week, closing at 139s. Forward positions, however, have fully maintained their recent premium. As is generally the case, American producers are complaining of disappointing profits due to very high costs; but there is probably some indication that owing to the hold-up of the demand on domestic account, some excess of supply has now accrued, as the increase of the crop yield is turning out well in excess of early anticipations. Swedish is offered at 115l. per ton on the spot in casks.

VALERIAN.-Belgian is easier, new crop offering at

97s. 6d. per cwt. c.i.f. to arrive.

Vanilla.—Important shipments of Bourbon vanilla are reported to be arriving at Marseilles by the steamers Chile and Ville d'Arras. Other consignments to the same port are affoat from Madagascar and Comoros. Speculators are reported to be less active, and it is anticipated that the high prices obtained during the last three weeks for Bourbon vanilla will not be maintained, in which case the price of Tahiti may also be expected to show a decline.

#### Essential Oils Market.

No changes of importance are recorded, but prices continue on the easy side and demand is quite retail. The new crop offers that are coming along do not appear to be creating much interest among buyers. Consumers are said to be well stocked in regard to several commodities owing to the falling-off in demand for the manufactured products. Reports of the Paris essential-oil trade contrast favourably with the conditions ruling in London, and in New York, business is said to be showing signs of recovery. These facts, coupled with the prospect of the removal of the coal-strike threat, engender a more cheerful attitude on the part of dealers. In some cases, how-ever, it is said that the appearance of buyers on the market is sufficient to induce sellers to withdraw in the hope that the recovery has at last begun and that better prices are already at hand. Star anise is steady with a small demand. Bois de rose is quite neglected and on the easy side. A further decline has taken place in the forward price of new crop Sicilian sweet orange oil. Lemon and bergamot are substantially unchanged. Only a retail demand for cassia is reported and price remains unaltered. Japanese camphor oil is still scarce on spot and nominal.

Anise, Star, is dull and steady, with a few spot sales of "Red Ship" brand at 4s. 1d. per lb.

BAY is quiet and unchanged on spot at 27s. per lb. to 28s. for oil containing 50 per cent. phenols.

BERGAMOT is unchanged. The spot value of good 37/38 l.a. is about 358., although sellers can be found at 32s. These figures represent also the quotations given for forward delivery.

Bots de Rose is on the easy side, with spot offers at from 44s. to 47s. 6d. per lb., but demand is lacking.

CAJUPUT is reported to have improved slightly, with sellers at 3s. 9d. per lb. for the genuine.

Camphor.—Japanese essential white is unchanged, with spot nominally at 200s. per cwt., except for a few cases in druggists' hands which have been offered at less. Brown is unchanged at 140s, in cases and 165s, in drums. Low gravity (1.00) oil is offered at 140s. in 100-lb. drums spot.

Cananga.—Spot holders give the price as nominal at

23s. to 24s. per lb.

CARAWAY.—Rectified is quoted at 11s. per lb. in quantity, with crude at 1s. per lb. less.

Cassia.—Demand is quite retail, small sales of 80 to 85 per cent. c.a. having been made at 7s.  $7\frac{1}{2}d$ . per lb.

CEDARWOOD.—Spot offers are being made at 38. 8d. to 3s. 9d. per lb.

Cinnamon.—Ceylon leaf is nominal at 9d. per oz. spot. CITRONELLA.—Ceylon is dull at from 2s. 5d. to 2s. 6d. Java remains at 5s. The exports from Ceylon from January 1 to August 30 inclusive amounted to 723,670 lb., compared with 599,823 lb. for the corresponding period in 1919. Of these quantities the United Kingdom imported 200,895 lb. and 165,706 lb. respectively.

CLOVE.—English distilled is steady at from 14s, to 14s, 6d, per lb. The demand has eased slightly and distillers are again taking orders. Spot holders of American distilled are sellers at 13s, 6d.

GERANIUM.—Spot holders quote from 39s. 6d. to 41s. per lb. for Bourbon, and 40s. to 43s. for Algerian. A French report states that Bourbon geranium is quiet on the approach of the October-November period of distillation. Some parcels spot and affoat have sold at 210fr. c.i.f. Marseilles.

JASMIN.—A French report states: The crop is going on splendidly, thanks to the hot, dry weather which has prevailed. The price paid for flowers has reached 25.00fr a kilo., compared with 2.50fr. to 3.00fr. pre-war, and from 90fr. to 100fr. is asked per kilo. of concentrated

LEMON.—Higher prices continue to come forward from the source—68. to 68. 3d. c.i.f.—but there appears to be little interest taken. Spot is steady at 58. 6d. to 68. 3d. per lb. A report from Palermo, dated September 24, states:

The stronger tendency reported already has since developed, and local requirements, which have become apparent veloped, and local requirements, which have become apparent since the market stiffened, have given holders an advantage against buyers of goods for distilling or prompt shipment. As the supply is now in strong hands the advance has been rapid during these last days. Until the new crop comes the position might requain firm. On the other hand, unless a demand-sets in from abroad the tendency might weaken.

Lime.—Little or no demand is noted for lime oil. Spot lots are obtainable at 5s. per lb. for distilled, which may be considered an inside price, most quotations being nominally unchanged at 6s.

MINT .- Japanese dementholised is quiet, with spot

sellers of Kobayashi-Suzuki at 6s. 7½d. per lb.

Orange.—There is practically no business passing and spot Sicilian is nominal about 35s. Forward quotations are again coming easier at 22s. to 26s. per lb. c.i.f. Bitter is slow and holders would accept 20s. for spot. West Indian sweet is easier at 25s. per lb. for spot. A report from Palermo, dated September 24, states:

Some orders have come in for the few parcels of early pressings, which have found a ready sale. This has also stiffened the market.

PALMAROSA is nominally unchanged, with spot holders quoting 23s. per lb. in original pots. PATCHOULI is offered landing at 85s. per lb., which is

PEPPERMINT.—So-called "Wayne County" is nominal

on spot, about 40s. per lb. The forward price is 39s. c.i.f. Sales of H.G.H. have been made at 64s.

Petitgrain.—Paraguayan has been in request at 27s. 6d. to 28s. 6d. To arrive, ex Continent is quoted at

ROSEMARY.—The demand continues light and quotations irregular. Offers are made at from 4s. to 5s. 3d. per lb. according to seller.

Sandalwood.—Mysore distilled (B.P. quality) is firm at 50s. per lb. in five-case lots.

Sassafras is firm at 12s. 6d. per lb., spot, for the natural. Artificial is obtainable at 4s. 8d. per lb.

Spearmint.—From 75s. to 80s, is stated to be the price asked for the small lots now available on spot. position is likely to become easier shortly in view of the weaker market in the States, where offers have been reported at \$8.00 for immediate shipment. Importers give 55s. c.i.f. as the price for immediate shipment

SPIKE.—No further developments in Spanish oil have taken place at the source. Spot sales have been made at 8s., and 7s. 9d. to 8s. 6d. is quoted, although for round lots slightly less might buy. French is offered at 13s.

THYME.—Spanish red thyme oil (high percentage) is very firm, and in view of the scarcity, the forward prices now being quoted, 12s. to 13s. per lb., are considered to represent its fair value. Spot sellers quote from 12s. to 10s. per lb., according to content.

VETIVERT.—Bourbon is quoted at 50s. per lb. spot and 45s. to arrive.

WINTERGREEN (SWEET BIRCH OIL).—Spot holders say 40s. per lb., and to arrive the quotation is 38s. c.i.f. for immediate shipment.

Wormseed.—Spot parcels are scarce and high prices are asked. To arrive, October-November shipment is offered at 49s, to 50s, per lb.

#### Italian Drug and Chemical Markets.

September was a very exciting month for those concerned in the purchase and sale of drugs, chemicals, and pharma-ceutical products. The great upheaval in the labour world, and particularly in the Italian metal and engineering works, upset from the beginning of the month the 200,000 work-people engaged in the different branches of the chemical people engaged in the different brainings, rendering manufacturers uncertain in all their industry, rendering some of the chemical works were "occuactions, and when some of the ehemical works were pied" many of the makers actually sold off all the com-bustible and raw material they could, rather than run the lisk of seeing them wasted in useless experiments by the operatives, whose aim was the self-working of the factories. A meeting arranged at Turin between the Italian Prime Minister Giolitti, the representatives of the industries, and the representatives of the workpeople was held towards the end of September, and an agreement was reached that will shortly put matters on a satisfactory footing. The demand for chemicals, drugs, and pharmaceutical products, which was fairly strong in August, became still more pronounced was fairly strong in August, became still more pronounced in September, owing to almost complete stoppago in the national production, due to the above reasons and to the difficulty of securing foreign products for prompt delivery. Besides this the increase in the foreign exchange continued further all through the month, the English pound rising from lire 77.47 to lire 82,97, the United States dollar from lire 21.40 to lire 24,40, the French franc from lire 1.48 to lire 1.55, and the Swiss franc from lire 3.50 to lire 3.80. As a consequence of so many complications and difficulties As a consequence of so many complications and difficulties the prices of many products rose further, and many merchants were in a position to realise very large profits, while others suspended sales hoping for a further increase in price, knowing also that many of the likely purchasers were badly in need of their goods. The Sicilian market is suffering through the stoppage of orders from Continental Italy and other parts, and this has somewhat lowered prices. and other parts, and this has somewhat lowered prices.

and other parts, and this has somewhat lowered prices. The following are current quotations per kilo.: Pharmaceutical Products.—Boric acid, from 7.60 lire to 9.00 lire; yellow carbolic acid (95 to 97 per cent.), 1.6.00 to 1.6.10; carbolic acid crystals, 1.10.50 to 1.11.00; oxalic acid, 1.22.50 to 1.24.00; hydrogen peroxide (10 to 12 volumes), 1.1.50 to 1.2.00; glucose, 1. 4.60 to 1.5.90 (45° Bé); naphthalene flakes, 1.2.50 to 1.2.25; permanganate of potash, 1.34.00 to 1.35.00; best white vaseline, 1.10.50 to 1.10.80; best yellow vaseline, 1.8.75 to 1.8.90; paraffined white vaseline, 1.8.00 to 8.10; yellow paraffined vaseline, 1.5.25 to 1.5.50; American refined paraffin (126 to 128), 1.5.70 to 1.5.80; American half-refined paraffin (118 to 120), 1.5.25 to 1.5.30; Asiatic paraffin (60 to 61), 1.8.00 to 1.8.10; Asiatic paraffin (54 to 56), 1.6.70 to 1.6.75; Sectch paraffin, 1.6.50 to 1.6.60; pure acetone,

| I.13.00 to I.14.00; glacial acetic acid, I.12.00 to I.14.50; magnesium chloride, I.1.10 to I.1.20; castor oil, medicinal, I.9.70 to I.9.80; cod-liver oil, "extra," I.12.50 to I.12.70; salicylate of soda, I.41.00 to I.42.00; sulphate of magnesium, I.0.95 to I.100; quinine sulphate, I.625 to I.630; quinine citrate, I.700 to I.710; camphor in tablets, I.85.00 to I.90.00; ammonium carbonate, in lumps, I.6.70 to I.7.00; magnesia carbonate, in lumps, I.7.30 to I.7.50; potash chlorate, powder, I.4.90 to I.5.00; ammonium chloride (98/96), I.8.30 to I.8.50; glycerin, refined e.p. (28° Bé.), I.7.25 to I.7.50; yellow prussiate of potash, I.22.00 to I.23.00; yellow soda prussiate, I.9.00 to I.9.10; senna, Tinnevelly, extra, I.8.00 to I.8.10; senna, from Eritrea, I.2.75 to I.2.80; anhydrous sulphate of soda, I.0.90 to I.0.95; antimony, sulphide, in lumps, I.5.95 to I.6.00; antimony, sulphide, powder, I.6.25 to I.6.50; alcohol (90 per cent.), from corn, I.7.75 to I.7.80; alcohol (95°), from corn, I.16.00 to I.16.20; refined sulphur, I.1.25 to I.12.0; S.V.R., I.8.50 to I.8.60; honey, white, I.10.00 to I.11.00; carnauba wax, I.20.00 to I.22.00; white ceresine, pure, I.11.75 to I.12.00. Drugs, ctc.—Spanish oil of turpentine, I.9.50 per kilo, to I.9.60; American turpentine, I.9.50 to I.9.65; Ceylon cinnamon, firsts, I.15.90 to I.17.00; cinnamon, seconds, I.15.80 to I.6.80; cinnamon, thirds, I.15.70 to I.16.60; einnamon, fourths, I.15.60 to I.16.50; Martinique cassia, I.16.00 to I.16.60; strong glue, I.10.00 to I.10.50; gum acacia, I.50.00 to I.5.10; arabic gum, I.4.70 to I.5.00; shellac, I.49.00 to I.50.00; chamomiles, I.13.00 to I.17.50; mannite, I.38.00 to I.50.00; chamomiles, I.13.00 to I.17.50; mannite, I.38.00 to I.30.00; nutmeg, I.12.00 to I.12.50; Aleppo pepper, I.4.25 to I.5.50; Java pepper, I.3.40 to I.3.50; Bari mustard, I.4.15 to I.4.20; pure liquorice blocks extract, I.11.50 to I.12.20; Tahiti vanilla, I.98.00 to I.99.00; Spanish saffron, I.4.60 to I.4.70; milk-sugar crystals, I.19.00 to I.20.00; linden-tree flower

Italian Olive Oil Crop.

September brought plenty of rain, and the olive trees, which had suffered seriously during Juue and July, continued to benefit by the recovery initiated during August, which had suffered seriously during Juue and July, continued to benefit by the recovery initiated during August, the falling off of the olives stopping completely. In the majority of cases the olives examined proved to be completely sound, indicating that even if the harvest is not abundant at the beginning it will allow of the production of a larger quantity of the finer quality oil. Business in oils of old crop was very small, owing also to the economic conditions of the country. The price foreseen at present for the finer new oils is about lire 14.00 per kilo.; the value will, however, greatly depend on what Italian money is worth at the time. The prices quoted during September for the various brands or qualities of oil in the different provinces of Italy are as follows: At Porto Maurizio, near Genoa. Riviera sopraffino, from 1.14.50 to 1.15.00 per kilo.; Riviera fino, 1.14.20 to 1.14.50; Riviera catable, 1.13.80 to 1.14.00; Puglia Bitonto, 1.15.00 to 1.15.10; Bart, 1.14.00 to 1.14.10; Fasano, 1.15.00 to 1.15.15; Leece, 1.14.00 to 1.14.05; Gioia di Calabria, 1.15.50 to 1.15.55; Spanish olive oil, from Borjas, pesetas 6.20. At Chneo, first-class olive oil was quoted at from 1.15.00 to 1.16.00; second-class olive oil from 1.15.00 to 1.14.00. At Reggio Emilia, purest olive oil was quoted from 1.16.90 to 1.17.00; second pressing, 1.16.00 to 1.16.10; third pressing, 1.14.80 to 1.15.00; olice oil mixed with other oils; 1.11.00 to 1.11.20. At Leece, in the extreme south of Italy, first quality olive oil was sold at 1.12.00; second-class at 1.10.00; and third-class at 1.10.00. At Bergamo, first quality was sold at from 1.14.50 to 1.15.00; second-class at 1.10.00; second-class at 1.10.00; second-class oil, 1.8.50 to 1.9.00 per kilo.

Belgian Congo Copal.

An Ordinance, dated July 10, 1920, has been issued by the Governor-General of the Belgian Congo at Boma with the Governor-General of the Belgian Congo at Boma with a view to maintaining the commercial quality of Congo gum copal. The export from the Belgian Congo of impure gum copal (which is defined as gum copal containing more than 3 per cent. of gangue, earth, broken stone, vegetable waste, or other foreign substance) is prohibited. Gum copal presented for oxport must be accompanied by a certificate of quality (drawn up in the prescribed form and giving particulars as to the nature of the package, number of parcels weight, and other data) from an Inspector of Industry and Commerce or other authorised person. This certificate will be retained by the Customs administration on export. Gum copal lying at the ports or in warehouses or factories is copal lying at the ports or in warehouses or factories is subject to inspection and examination by the competent authorities.

#### German Export Licences.

The attention of the British Government was recently called to a case in which one of the local organisations which called to a case in which one of the local organisations which have been set up in Germany for the purpose of deciding on applications for licences to export goods from that country refused to issue a licence to a British firm domiciled at Cologne on the express ground that the applicants were not of German nationality. H.M. Government took the view that, having regard to Article 276 (d) of the Peace Treaty, the Corona licence issuing authorities are not articled. the German licence issuing authorities are not entitled to discriminate against the nationals of the Allied and Asso-ciated Powers domiciled in Germany in favour of German nationals. Representations on the subject were accordingly made to the German Government by H.M. Representative in Berlin; and the German Government have now intimated that the various export control offices in Germany have been instructed that the refusal of an export licence on the ground of the foreign nationality of the applicant is inadmissible, and that in dealing with applications for export licences the question of the nationality of the applicant is not to be taken into account. In view of this decision it is anticipated that British firms domiciled in Germany who desire to export goods from that country will in future be under no disability on account of their nationality. In cases, however, where firms in the United Kingdom place orders for goods in Germany with firms of German or other nationality, goods in Germany with firms of German or other nationality, it is, generally speaking, advisable that the application for an export licence, where such is necessary, should not be made by the purchasing firm in this country, but should be left to the prospective supplier of the goods in Germany, as this procedure, as the German Government have pointed out, greatly facilitates the practical administration of the system of export control by the German authorities.

#### Dye Imports.

With respect to the contemplated legislation by the Government in regard to the prohibition of imports of dyes and certain chemicals, a memorandum has been submitted by the Chemical and Dyestuff Traders' Association, members of which had an interview with Mr. Percy Ashley at the Board of Trade on September 25. It is pointed out in the memorandum that, contrary to expectations, the shortage of colours in this country became as acute twelve or eighteen months after the armistice as at any period during the war, so that it is difficult to see how the partial closing of the import door will assist matters. The Association suggests, among other things, the stimulation of home production on an extended basis. Mr. F. T. T. Reynolds submitted the nemorandum, which, after referring to the shortage of colours, declared that the Government-supported enterprise from which as much was expected had so far proved. from which so much was expected had so far proved disappointing and unsatisfactory. Great volumes of export trade were still dependent on certain imported dyes and intermediates, and although since the Sankey judgment there had been an oven door for importation, available surplies had continued inadequate. While accepting the principle of making the United Kingdom independent of external supplies of chemicals and dyestuffs, the policy hitherto pursued had not been altogether successful in securing either the range, quality, or quantity of the materials required. This might be due continued the memorandum, to the failure of the State-aided and amalgamated corpora-tion to rise to the occasion or to the methods and personnel employed with regard to importation and distribution. or to both. If the shortage had not been alleviated while the import door was open, it was difficult to see how its partial closing was going to assist. The Association urged the stimulation of home production on an extended and, if possible, co-ordinated basis, and the encouragement and assistance of other manufacturing from of present or potent. at nossible, co-ordinated basis, and the encouragement and assistance of other manufacturing firms of present or potential value, with a view to expediting a production of both chemicals and dvestuffs in quantity sufficient not only forhome consumption, but to allow free importation. With respect to the proposed licensing system, the Association suggested that the licensing authority should be composed mainly of practical men with technical and administrative experience: that they should not be selected arbitrarily by experience; that they should not be selected arbitrarily by a Government Denartment, but nominated by the interests affected; that the consuming trades should have preponderating representation: that the interest concerned should be consulted before the administrative machinery was set up; that there should be a right of appeal; and that the "appointed date" of any new legislation should be sufficiently far ahead to enable reasonable arrangements to be made respecting existing commitments. In his reply Mr. Ashley assured the deputation that the Board fully appreciated the importance of the interests which they represented, and that in the framing of any scheme of administration, full and sympathetic consideration would be given to the various suggestions which they had put forward.

#### Arrivals of Drugs, Chemicals, etc.

The following products have arrived at the ports named: London

(Scptember 29 to October 4.) Acatone methyl (Can.),

Alcohol (N.Y.), 29 drms. Alcohol methyl. (N.Y.), 280 drms.

drms,
Antimony ore (Ch.), 100 cs.
Casein (Fr.), 200 bgs.
Chemical products, etc.: (Belg.)
17 pkgs., (Fr.) 12 pkgs.,
(Germ.) 26 cs.
Acetic acid, (Antw.) 700
demij., (Rott'dam) 45 cks.,
(N.Y.) 49 brls. 111 pkgs.
Ammon. nitrate (Norw.), 94
cks.

cks.

rsenic, (Antw.) 16 brls., (Germ.) 80 cs Arsenic. Barium peroxide (Germ.), 49

drms. arms.

Barytes, (Belg.) 190 bgs. 57
cks., (Germ.) 47 brls.

Betanaphthol (Holl.), 4 cks.

Bornx (Fr.), 12 cks.

Bromide: potash (Germ.), 17
nkgs.

Cream of tartar (Germ.), 80 eks. Gallie acid (Can.), 32 brls. Magnes. chlor. (Germ.), 47

drms. Naphthalin (N.Y.), 217 brls. Naphthol (N.Y.), 12 brls. Paraldehyde (Holl.), 10 cs. Phthalic anhydride (N.Y.),

Potash carb. (Germ.), 11 brls. Potash caustic (Swe.), 20 cs. Potash chlorate (Swc.), 31 cks. Potash hydrox. (Norw.), 20

Potash mur. (Holl.), 100 bgs. Potash permang. (N.Y.), 20 drms Pyrogallic acid (Can.), 7 cs. Sal-ammoniac (Germ.),

Saltpetre (E.I.), 3,188 bgs. Silver nit. (Hamb.), 2 cs. Soda benz. (Germ.), 9 cks. Soda bisulph. (Germ.),

cks.
Sodium (Germ.), 34 cs.
Tartar (Fr.), 154 bgs.
Tartaric acid (Fr.), 48 cks.
Vermilion (Ch.). 10 cs.
Veronal (Fr.), 30 cks.
Drugs, crude, etc.:
Alocs (Mossel Bay), 60 cs.
Asafetida (B'bay), 19 cs.
Camphor (Ch.). 59 cs.
Cardamoms, (Cey.) 75 pkgs.,
17 cs.

Cinchona (E.I.), 8 bls.

Cinchona (E.I.), 8 bls.
Cod-liver oil (Holl.), 50 cs.
Nux vomica (E.I.), 423 bgs.
Tamarinds (E.I.), 65 cks.
Dyes, dyeing, and tanning
materials, etc.: Aniline
(Belg.), 175 pkgs.; sumac,
(It.), 200 sks.
Egg products: Albumen (Ch.),
396 cs.; yolk, (Ch.) 531 cs.
863 cks., (Belg.) 250 cs.
Gums. resins. etc.: Acacia
(Aden), 109 bcs.; copal,
(Belg.) 47 bcs., (Fr.) 72 sks.,
(S'pore) 100 cs.; lac; button
(Cal.), 35 chts.; garnet
(Cal.), 175 cs.; shell (Cal.)
133 pkgs. 40 bgs.; seed
(Madras), 10 bcs.; oilsanum
(Aden), 100 bgs.; resin (Fr.), (Aden), 100 bgs.; resin (Fr.), 1.172 cks.

Honey (Aust.), 29 cks. 20 cs.

Honey (Aust.), 29 cks. 20 cs. Kieselguhr (Moroc.), 6,000 bgs. Lithopone (Belg.), 25 cks. Oils, essential: (Straits), 4 cs.; bay (U.S.), 2 cs.; cedarwood (U.S.), 1 cs.; citronella. (Jv.) 6 drms. (Holl.) 6 (Jv.) 6 drms. (Holl.) 6 drms.; eucalvptus (N.S.W.), 20 cs.; guainewood (U.S.). 5 drms.; lemongrass (W.L.), 7 cs.; lime (W.L.), 7 cs.; mint (Jp.), 40 cs.; nutmee (U.S.), 3 cs.; patchouli (Janan), 16 cs.; petiterain (U.S.), 4 cs.; sassafras (U.S.), 5 cs. 6 drms.; turpentine, (Fr.) 525 brls., (N.Y.) 30 brls. 151 cs., (E.L.) 40 drms.

rrived at the ports named:

Oils, fixed: Castor (Santos),
50 cs.; coconut, (Antw.) 10
brls., (Swe.) 600 brls.; olive
(Antw.), 260 cks.; soya (Jp.),
10,000 cs.; tea (Ch.), 1,000 cs.
Petroleum jelly (U.S.), 739
brls. 669 cs.
Seeds: Apricot kern. (Ch.), 131
bgs.; caraway (Holl.), 20
bls.; castor (N.Y.), 4,635
bgs.; copra (Cey.), 3,520
bgs.; cotton (E.I.), 24,272
bgs.; cotton (E.I.), 24,272
bgs.; ground-nuts (E. Af.),
42 bgs.; lin (E.I.) 18,420
bgs., (Moroc.) 700 tons;
millet (E.I.), 765 bgs.
Soy (Ch.), 300 cks.
Starches, etc.: Farina (Holl.),
364 bls.
Waxes: (Ch.), 30 bls.; bees'

504 bls.
axes: (Ch.), 30 bls.; bees'
(Beira), 236 bdls. 21 blocks;
paraffin (N.Y.), 510 brls.,
(scale) 950 brls.

Liverpool
(September 28 to October 4).

Liverpool
(September 28 to October 4),
Chemical products, etc.:
(Norw.), 16 cks.
Acetic acid (N.Y.), 104 brls.
Barytes, (Ht.) 280 bgs., (Sp.)
1,000 sks., (Germ.), 68 cks.
Betanaphthol (N.Y.), 22 brls.
Mercury (Ht.), 4 cs.
Naphthaline (Germ.), 57 brls.
Oxalic acid (Hamb.), 5 cks.
Pot. chlorate (U.S.), 450 drms.
Soda bichrom. (N.Y.), 34 cks.
Soda chlorate (Fr.), 100 cks.
Drugs, crude, etc.: (Germ.),
12 cs. 2 brls.; cinchona Calisaya (Arica), 150 bls.; opium
(Smyr.), 1 cs.; quillaia
(Chile), 1,494 bls.
Dyes, dyeing, and tanning
materials, ctc.: a-naphthylamine (N.Y.), 27 brls.;
hematine (U.S.), 134 brls.;
valonea (Smyr.), 3,985 bgs.
Gums, resins, etc.: Resin,
(Para) 13 brls., (Sp.) 138
brls.
Isinglass (Para), 65 pkgs.

brls. (59.) For brls. (59.)

Goole

(September 30). Potash caustic (Germ.), 48 Grimsby

(October 1). Aniline dyes (Belg.), 148 cks.

Hull(September 27).

Barvtes (Germ.), 54 cks.; betanaphthol (Germ.), 20 cks.; caraway (Norw.), 20 bgs.; cod-liver oil (Norw.), 50 brls.; copal (Holl.), 39 bls.; lead-sugar (Holl.), 79 cks.; naphthol (Holl.), 7 Barvtes 4,197 tons

#### Manchester

(September 27 to October 4).
Acetic ncid (Holl.). 42 cks.;
cod-liver oil (Norw.), 20
brls.; farina (Holl.). 2.975
bgs.; herbs (Fr.), 31 bls.;
pepsin (N.Y.), 2 cs.; resin
(Fr.), 150 cks.; soda bicarb.
(U.S.), 76 cks.; soda
bichrom. (N.Y.), 35 brls.;
soda pruss (Fr). 15 cks.;
tartar emetic (N.Y.). 15 cks.;
tartar emetic (N.Y.). 20
brls.; wax, paraffin, 449 brls.,
(N.Y.) 224 bgs. (September 27 to October 4).

Southampton. (September 30 to October 1). Aloes (Algoa B.), 24 cs.; linseed (S. Amer.), 3.659 hgs. D

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Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

#### Proprietary Medicines Bill.

SIR,—The amount you mention as being a likely fee for the registration of proprietary medicines will be an unwelcome shock to those pharmacists who have been consoling themselves that even if registration came into force the fee would only be a few shillings per item. At the present time even the big manufacturers who turn out their proprietaries by thousands are dropping the 1s. 3d. sizes, on the ground that, owing to the present cost of labour, bottles, materials, etc., it does not pay to put up this size, so that it is easily seen that the retail pharmacist who packs his own remedies, in perhaps gross lots at the most, would not be able to pay a heavy fee on top of the stamp duties and other expenses, as this alone would be sufficient to kill the 1s. 3d. size. Whether the public would rise to a 3s. article remains to be seen; even if they will do so in the case of a much-advertised remedy, it is doubtful if they would for a chemist's own line. It would be interesting to know the experience of pharmacists with regard to those articles the small size of which has been discontinued, and whether the total sales have been affected.

Yours faithfully, ONE-AND-THREE. (19/9.)

SIR,—I should like to suggest to all proprietors of medicines that they write to the members of Parliament for the constituency in which they live, and for the constituency in which they have a place of business, raising a powerful protest against the iniquitous provisions of this Bill. They should plainly point out the robbery that is contemplated in seeking to make proprietors disclose their formulas, and the grave, certain perils if the Minister of Health secures the enormous powers he seeks. No protest can be too plain or forceful. And members of Parliament should be asked to secure drastic amendments to the Bill or its complete destruction. Yours faithfully,

PATENT. (2/10.)

SIR,-Permit me to express my admiration of your "clear-cut" editorial on "Chemists' Rights Endangered" (C. & D., October 2). It is at once a revelation and a "call to arms" to the drug and proprietary manuand a can to arms to the drug and propretary manufacturers' trades. Some of us have been fully alive to the danger ahead, but your leader should awaken the "deepest slumberer," and evidently your knowledge goes well behind the scenes. In a recent letter I suggested the immediate formation of a union of interested parties to oppose the Bill. Is it not possible for such to be formed? Something on the lines of the Anti-By-law Committee, if run with the same energy, could make itself felt. like your pointed remark that manufacturers are to be charged for disclosure of formula. Every sentence of your editorial is full of purpose, and we are indeed lucky as a trade to possess such a journal as The Chemist AND DRUGGIST, which never "lets us down." that thousands of chemists have obeyed your behest to wire or write the Society, and if you would suggest a suitable message thousands of us would wire our M.P.s to oppose the Bill, almost every clause of which is unjust to chemists and manufacturers alike.

Yours truly, REVENUE STAMP. (10/20.)

#### Drugs, Dysentery, and other Diseases.

SIR,—In his letter under the above heading Dr. McWalter bemoans the fact that the "Orthodox fession is without a real remedy for dysentery, and goes on to say there is an opening for one of the control o on to say there is an opening for one, and a bright future

for the pharmacologist who discovers it. Contrast this statement with one made by the late Dr. Ruddock very many years ago, in one of his medical works, as follows: "All recent cases of dysentery that I recollect have yielded quickly—i.e., within two days—to merc. cor. 3x trit., if without much pain; if with pain in the abdomen, merc. cor. alternately with colocynth; and I do not know of any failures." When the late Dr. James Compton Burnett, who was described in "The Times" obituary notice as one of London's most prominent physicians, was so sorely tried by his failures to relieve his hospital cases so sorely tried by his failures to relieve his hospital cases of febricula, etc., he decided to put homeopathy to the test by trying it at the bedside, "proving it to be a lying sham, and expose it to an admiring profession." What did he do? He bought Hughes' "Pharmacodynamics" and Hughes' "Therapeutics," now "the Principles and Practice of Homeopathy," studied them, and the result was he became one of the brightest ornaments in his profession, and one of "London's most prominent physicians," irrespective of all "pathies," as first and foremost he was a healer of the sick. Is it too much, therefore, to ask Dr. McWalter and others, whose main object as to ask Dr. McWalter and others, whose main object as medical men is, no doubt, to cure their patients, "Cito, tuto, et jucunde," to put homeopathy to a similar test, especially in cases where they admit that their "orthodox" treatment is, to say the least, a matter of doubt and confusion? Dr. McWalter concludes by saying: "We really ought to accept the fact that certain drugs have an effect on certain diseases, and apply our minds to the problem of how they act"; but would it not be more to the point to accept the fact that all drugs produce certain effects (pathogenic) on healthy systems, and these give the keynote to their curative effect on diseased systems? Yours faithfully,

Brondesbury, N.W. 6. LEATH & Ross.

SIR,—The letter of Dr. J. C. McWalter (C. & D. October 2, p. 78) reminds us that in the administration of medicaments to the sick person we all employ more or less rule-of-thumb methods. Either by experiment or by accident we find that certain drugs have certain effects in diseased conditions, and when these symptoms arise the particular remedy is prescribed and we wait for the beneficial result. But, unfortunately, the history does not always end happily; patients apparently are constitutionally different; one person takes kindly to the specific and the next one does not; complications arise that require further remedies, and so we blunder from one drug to another, and the last state of that man is often much worse than the first. As to the actual how and why of the action of these drugs we are at present in a very ignorant state, and, as Dr. McWalter so aptly puts it, the problem of how they act is the question to be solved. When we know this we shall be able to apply our remedies with some better hope of success than we have at Yours faithfully,

EMPIRICAL. (2/10.)

#### "The Etymology of Liverpool."

SIR,—In looking through your issue of last week I was struck with the remarks concerning "The Etymology of Liverpool" in the closing paragraph of "Observations and Reflections" by "Xrayser II.," and incidentally I always think this page is far and away the most interesting of any in your journal. From researches I have made, my own opinion is that the name of Liverpool is probably derived from Litherpool or Lower Pool, so named to distinguish it from the Mosslake or Higher Pool, a mossy piece of land lying higher up the slope. That the name was originally applied to the water rather than to the land seems clear, for this pool was really a creek or inlet of the Mersey, and left the river where the Customs House now stands, and it extended with the influx of the tide along Paradise Street and Whitechapel as far as the Old Haymarket, a ferry-boat for the conveyance of passengers being stationed at the lower end of Lord Street as late as To the south and east of the pool where Lime Street, Church Street, and Bold Street are to-day, the ground lay waste as far as the township of Toxteth marked by the line of Parliament Street; and to the north and west of the pool lay the handful of mud hovels which in those

early days formed the hamlet of Liverpool. The mythical bird, liver or cormorant or what you will, which now dominates the city coat of arms, seems to have been dragged in later by the heralds; it does not even appear in the ancient seal, which probably dated from King John's charter. The bird thereon is supposed to be the eagle of St. John the Evangelist.

W. H. Saunders.

Liverpool.

#### Terms for Virolax.

SIR,—I am glad to see attention called (C. & D., September 25, p. 94) to the terms on which we are asked to sell the new petroleum-lubricated food Virolax. Gross profit 2s. per dozen, with an extra 5 per cent. if you invest 3l. towards advertising expenses, and rent your window for the paltry 3s. We cannot refuse to supply patents in established demand, but it is our own fault if we encourage the sale of more profitless articles. Note, Virolax is to be pushed through the medical profession at a time when the doctors are trying to find a substitute for the chemist's own aperient pill.

Is it not time for wholesalers and retailers to combine . . . rather than be forced to accept any terms that are offered for the delivery of the goods?

Hereford.

Yours faithfully,
J. J. JACKSON.

#### Carriage on Empties.

SIR,—I think it quite time, in these days of increased railway rates, that the wholesale drug-houses should pay the carriage back on empties. Pharmacists near London are served by motor delivery, and have their empties collected without any expense or trouble to them. Surely the pharmacist further in the provinces is entitled to some similar consideration. I intend in the future to deal only with wholesale houses who will pay carriage on empties, and should be glad to hear that pharmacists generally would take the same stand.

Yours faithfully,

Plymouth.

HOWARD VIBERT.

#### Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

#### Truss Experience.

Referring to the correspondence which has taken place in this column *Thankful* (1/10) writes: For some time I have worn Coles's light spring truss with back pad, and have found it extremely comfortable.

#### Assistants' Salaries.

Ajax (8/10) writes that he has reason to believe that attempts are being made to lower the wages paid to managers and assistants. He wishes it to be known that it is still difficult in the drug-trade to obtain good, steady men, and that 5l. a week is the minimum that should be accepted for responsible work.

#### Legal Queries.

- E. V. Z. (28/9).—Preparations of aconite are in Part I. of the Poisons Schedule, so that the voice-lozenges containing aconite will have to be sold under the conditions required by this part of the schedule.
- D. P. W. (4/10).—The use of induustrial spirit is sanctioned on special application for making certain hairwashes, which, in the opinion of the Board of Customs and Excise, are sufficiently denatured to prevent the use of the preparation as a beverage. Application should be made to the Board of Customs and Excise, Customs House, London, E.C., with a statement of formula it is proposed to employ. See C. & D., September 4, p. 96, for a formula with suitable denaturants.

J. M. W. L. (27/9).—(1) The apothecaries' assistants by-law was not passed in the interests of Army compounders unless these happened to fulfil the conditions laid down. The by-law was printed in the C. & D., 1919, p. 467, and the regulations in the C. & D., I., 1920, p. 204. (2) It is perfectly legal for a medical man to keep open shop for dispensing and selling poisons; this being especially provided for by the Pharmacy Acts, 1868 and 1869.

Uncertain (1/10) is tenant of premises, consisting of a combined house and shop, at an annual rent of 30l. The premises have not been used for residential purposes. Prior to the war he mortgaged the premises, the rate of interest being 4 per cent., and this was increased three years ago to 5 per cent. Was this increase valid? [As the premises were used only for business purposes, the Increase of Rent and Mortgage Interest (Restrictions) Acts, 1915 and 1919, did not, in our opinion, apply to them, and the mortgagees were entitled to increase the rate of interest subject to the terms of the mortgage deed. The Act passed this year applies to the premises; but an increase of 1 per cent. in the rate of interest is permitted.]

L. P. S. (29/9) has, for the past eight years, been a yearly tenant of combined dwelling and business premises at an annual rent of 35l. The landlady has throughout paid all rates and taxes, and the agreement provides that if for any reason "L. P. S." pays either he shall be at liberty to deduct the amount from the rent. The landlady now states that in future "L. P. S." must pay the rates and taxes. Is he liable to do so? [So long as the present tenancy continues, "L. P. S." is not liable to pay rates or taxes. If, however, the present tenancy is terminated by proper notice and a fresh agreement entered into, the landlady will be entitled to increase the rent in accordance with the provisions of the Increase of Rent Act, 1920, including an increase equivalent to the amount by which the current rates exceed those levied in August 1914. Under no circumstances can the landlady pass on to "L. P. S." her liability to pay property tax in respect of the premises.]

#### Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Thirteen (25/9).—Prescription Pricing.—Your price is a fair one for double the quantity. The prices you quote as having been charged at a seaside town are quite unremunerative, showing a profit of only 9d. on the sale, out of which the chemist has to pay his proportionate amount of rent, rates, wages, taxes, etc., and pay the postage of 1s. on the package. The costing by the London Simplified System is as follows:

d.
44.00
1.50
4.00
3.50
16.00
2.00
9.00
7.00
87,00

G. A. F. (25/9).—Preserving Sauce.—The quantity of salicylic acid you use is hardly sufficient to exert a preservative action upon the sauce. If, however, strictly aseptic conditions are ensured by bottling the sauce while hot, in bottles that have been heated to sterilise them, the sauce will keep well, if, as we suspect, there is a good proportion of salt present.

S. L. O. (27/9).—(1) ETHER SOAP.—Martindale's "Extra Pharmacopœia" formula is:

Dissolve soft soap 32 in alcohol (90 per cent.) 20, allow to stand twenty-four hours, and decant carefully from any sediment, then add methylated ether (sp. gr. 0.720), 52 parts.

- (2) Lio. Podophylli.—We presume that this is the alcoholic solution of podophyllin made with ammonia, but we can find no reference to a liquor of the strength you refer to. (3) VOICE TABLETS CONTAINING COCAINE.— The sale of these is under the Pharmacy Act a Part II. poison, and the Cocaine and Opium Regulation also applies. (4) It is difficult without a research to say what is the deposit that forms in ammoniated solution of quassia extract.
- R. S. A. (27/9).—THEATRICAL GREASE-PAINT.—The following basis meets your requirement of freedom from mineral fats:

... 4 parts. Cacao butter ... ... 4 parts. White wax ...
Olive oil ... ... 2 parts.

Melt together.

The transparent basis is obtained by using spermaceti and castor oil, although white vaseline is used to a great extent in the theatrical profession.

H. W. (29/9).—MAHOGANY STAIN FOR FLOORS.—The following are suitable stains:

III. Ι. ... 2 lb. Bismarck-brown solution Madder ... Logwood ... ... 1 lb.  $(\frac{1}{2} \text{ oz. in a pint of spirit}).$ ... 1 gall. Soft water TT. Boil one hour, strain, Dragon's blood ... 3iv. and use while waim. Caustic soda ... žij. Water ... 3x.

Boil and make up - to 40 oz. with water.

A spirit varnish can be applied when the stain is quite

- F. N. (1/10).—Fusion Mixture used in analytical chemistry consists of equal parts of sodium and potassium carbonates.
- E. F. A. (13/9); J. A. S. (25/9); Soho (20/9); T. M. C. (28/9); Bakerloo (27/8); E. V. Z. (28/9).—Cocoa-nut Oil Shampoo.—See article in this issue,
- E. A. P. (30/9).—Ginger-beer Plant.—This substance, also known under several fancy names, is a yeast and bacterium that can be preserved in a dried condition. It is used popularly for making a sparkling beverage often called "wine." See C. & D., February 28, p. 103.
- F. M. (30/9).—THEATRICAL COLD CREAM.—The following is a representative formula:

Sperma				 8	oz.
White	wax			 24	oz.
Liquid	para	ffin		 128	oz.
Borax				 2	oz.
Water				 64	oz.
Perfun	ie, a	suffici	ency.		

Melt the wax and spermaceti on a water-bath and add the liquid paraffin. Dissolve the borax in the water at 140° F., and add with constant stirring to the melted fats. Finally add the perfume.

G. W. (4/10).—Westrosol is trichlorethylene employed as a solvent in place of benzin and benzene. Westrosol is non-inflammable, has a boiling-point 87.4° to 87.55°, and is toxic. Its sp. gr. is 1.45. It is made on a commercial scale by the Weston Chemical Co., Weston Point. Another similar solvent is tetrachlorethane, also known as westron. A fatality from the inhalation by workmen of tetrachlorethylene vapour was recorded in the C. & D., December 26, 1914, p. 53.

- J. P. P. (2/10).—Optical Examinations.—See C. & D. Educational Number (August 21), p. 103.
- J. F. (13/9).—Sodium Fluoride has been recommended as a beetle poison, but we are unable to find any references to the use of the chemical as an insecticide for
- G. B. S. (27/9).—Pasteurising Milk:—The methods employed on a commercial scale are given in Kilbourne's "Pasteurization of Milk from the Practical View Point (Chapman & Hall, Ltd., 1916).
- J. F. (4/10).—Destroying Worms on Lawns.—The stock solution is:

Mercury perchloride ... 1 lb. Hydrochloric acid ... ... 22 oz. Water to ... 1 gal. ...

Mix a teacupful of this solution with every ten gallons of water employed for watering the lawn.

- H. J. (4/10).—Saturated solution of shellac in spirit is employed as a cement for ebonite. The pieces of the dark slide should preferably be warmed as well as the cement, and the parts pressed together until the cement
- W. A. (24/9).—(1) TREATMENT OF PYORRHEA.—See C. & D., April 24, p. 104. (2) A filter of the Berkefeld type is suitable for use in the dispensing department, but care must be taken to keep the "candles" free of
- R. B. (5/10).—FIRST-AID REQUIREMENTS FOR FACTORIES. -The following are the particulars you require:

Eye-drops, No. 1.

Cocaine 0.5 per cent. Cocaine ... ... Hyd. perchlor. ... ... 1 in 3,000

In castor oil.

Eye-drops, No. 2.

Sodium bicarbonate ... ... 15 gr. Water ... ... 1 oz.

Iodine Solution.—This is a 2 per cent. solution of iodine in spirit.

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### Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Oct. 15, 1870.

#### Opening of the School Session.

Mr. G. F. Schacht delivered the address to the students

of the School of Pharmacy, concluding as follows:
"Every man lives a double life, or, rather, his life has two relations—an inner life, for which in this world he is responsible to his conscience alone, and an outer life, is responsible to his conscience alone, and an outer life, which relates him to his fellow-creatures, and in which occur his thousand opportunities of influence for weal or woe. In the one he may aspire so high as to become the temple of the Holy Spirit; in the other, to be as a light set upon a hill, to shine for all men's benefit. As with the individual, so with societies of men in their corporate capacities. This Pharmaceutical Society has a life to live before the world which imposes obligations as constraining as those which relate to its own members; and the proceedings of to-night constitute one of the legitimate occasions for its public confession of faith."

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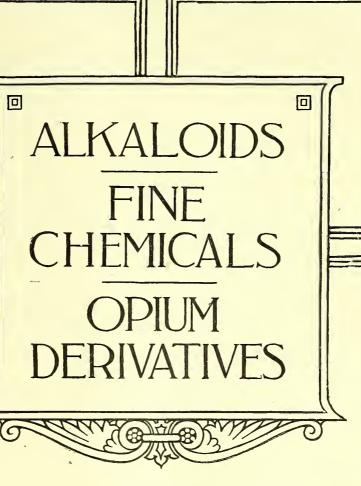
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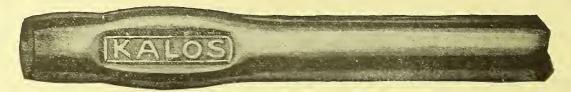
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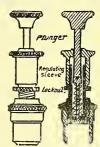
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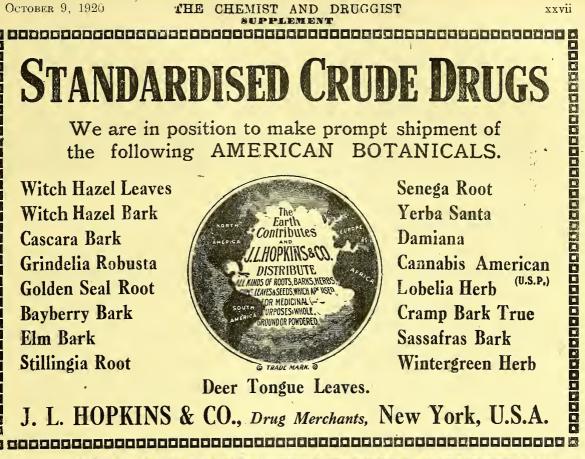
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2/9	Formamint Tablets	2/9	201-
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2/6	*** *** *** ***	2/6	21/3
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1/3	Laxative Bromo-Quinine Table	ets 1/3	11/3
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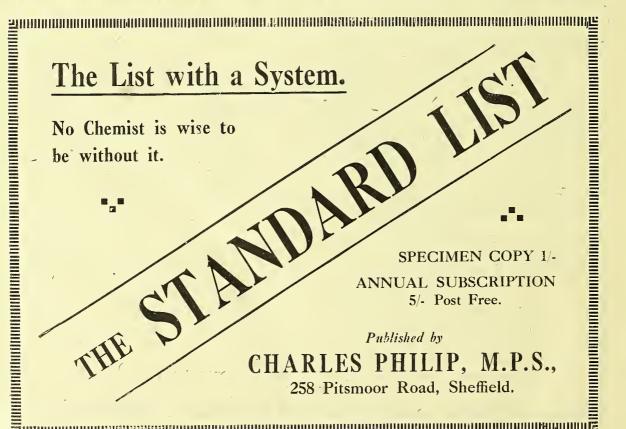
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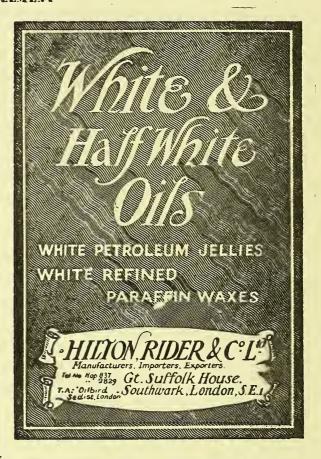
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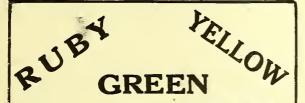
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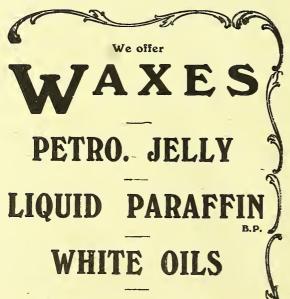
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Of proved utility in Nervous Diseases, and a powerful Restorative for the Digestive Organs and Nervous System.

A Vaiuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—The Lancet.

WHOLESALE PRICES.

No. 1. 1½ oz. Tin ... 9/- per doz.
2. 3½ " " ... 14/6 "
3. 6½ " " ... 24/- "
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Introduced and Prepared only by C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35-42 Charlotte St., London, E.C. 2.

#### MIST. PEPSINAE GO. c. BISMUTHO

(Hewlett's)

Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

British Medical Journal



#### DIAMALT

Plain and with 15% or 33% (by weight) COD LIVER OIL

#### DIAPARAFFIN

#### DRY DIAMALT

Malt Extract and Parassin in Powder form.

Diastasic Malt Extract in Powder form.

The above Preparations are on the P.A.T.A. and allow a 25% margin.

#### EXTRACT of MALT

Plain and in combination with

#### NORWEGIAN COD LIVER OIL

BULK **JARS** 

and Address on Labels for quantities of 6-doz. Jars or Tins. Name (Selection of Labels sent if required.)

SAMPLES AND PRICES ON APPLICATION.

#### BRITISH THE DIAMALT

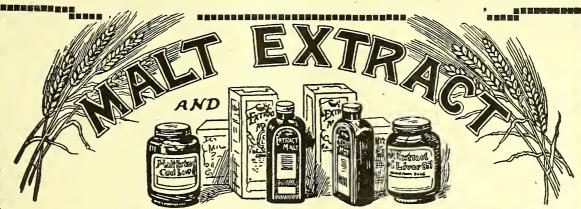
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Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped, Customer's Name printed on Labels for Orders of 1 Gross and upwards.

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ERRY @#HOPE, Ltd. #

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#### PER CENT. 33<sup>1</sup> BONUS

The weekly sales of Osmos are steadily mounting. They have now reached an imposing figure and represent a mass of profitable business which is well worth going after. As a special inducement to retailers to co-operate in the present Osmos sales campaign, the Proprietors have allocated a portion of this year's advertising appropriation to provide a bonus in the shape of 4 Free Bottles for every chemist ordering 1 dozen. The condition being that Osmos is displayed in their window until their order is sold.



#### REVISED PRICE.

Necessitated by enhanced cost of production.

Trade Terms: 26/6 per doz. bottles, carriage paid.

Retail Price: 3/- per bottle (P.A.T.A.)

Osmos, Crown Wharf, Hayes, Middlesex.



The Therapeutical properties of Osmos are equivalent to those of the best-known Alien Aperient Waters.
Osmos should, therefore, be sold in lieu of those
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Sizes from 1 Gallon to 10 Gallons. Specially suitable for

ACIDS, ESSENCES, PHARMACEUTICAL

PREPARATIONS.

"FARJAK" ASBESTOS FILTERING MEDIUMS

for use with the above-Pure and Neutral.

Filling, Corking, and Capsuling Machines.

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"J. GREEN British Made Filter CORRESPONDING TO THE GERMAN Nos. 595, 597, 598, 602, 604, etc. **Ashless Filters** to replace German and Swedish makes. 589<sup>1</sup>---589<sup>2</sup> 5893.—207. No. O-No. IF.

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Owing to the great demand for "AQUAPERIA," the Harrogate Aperient Water, we regret that we cannot guarantee that the Water will always be filled in the usual shaped bottles.

All Chemists holding empty "AQUAPERIA" bottles would be allowed at the rate of 3/- per doz. if returned carriage paid to any of our factories.

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LONDON, MANCHESTER, · BIRMINGHAM, BRISTOL, HARROGATE, MITCHAM.

#### Dr. Allinson's Food Preparations

Food for Babies, Prepared Barley, N. F. Cocoa, Biscuits, Wholemeal, &c. See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without, SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in storing if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd., Cambridge Road, Bethnal Green, LONDON, E.

AR advertising matter—Booklets, Window Displays Snowcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price ist we issue to the trade, and we are pleased to exchange any article into may be out of condition.

#### Dispensing Bottles and Vials

Ordinary quality or Quinine-tinted.

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Lettered "NOT TO BE TAKEN."

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Stocks held in London and Liverpool

# THE CHEMIST AND DRUGGIST OCTOBER 9, 1920 I DEPLEMENT Have you a WINE LICENCE? If not, you should take steps to procure one, and we will pay the cost. If you already have a licence we undertake to pay the annual charge. De Hale's Win-Sanguis in your premises all the year round. 2. That you give us an agreed initial order. 3. That you keep Dr. Hale's Vin-Sanguis always in stock. Advertising Matter and Doctors' Samples free. Trans - Continental Agencies, Limited Proprieters of 14 Southampton Street, Strand, Dr. Hale's Vin-Sanguis. Demands and presented and proceed to the premise all the pay the premise all the pay the premise all the pay to Dr. Hale's Vin-Sanguis always in stock. Advertising Matter and Doctors' Samples free. Trans - Continental Agencies, Limited Dr. Hale's Vin-Sanguis. Demands and premise all the pay the cost. Demands and premise all the pay



BUTTS. 108 galls. HOGSHEADS. 54 galls.

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DRINK THE GOLD MEDAL FRUIT Quick Seller. Big Profits. Over 40 years' Reputation. "Abdine" is the most popular Health Drink, superior to all Mineral Waters. Sold in Packets, 2d. each.

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4-oz. Decorated Tins.

5 Gross ... 76/6

W. FOX & SONS, Wholesale Botanic Druggista CASTLE STREET, SHEFFIELD.

**USERS** and **DEALERS** in METH. SPIRIT and SPIRIT OF WINE.

QUOTATIONS apply

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St, Liverpool.

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopæia. (Wholesale only.) Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C. 3.

#### Natural Mineral Waters

WE beg to inform the Trade that we are now regularly receiving consignments of Natural Mineral Waters from the Continent and other parts of the World.

AIX - LES - BAINS (DEUX

REINES)

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APOLLINARIS

BARIUM

BONNES

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WOODHALL MOTHERLYE PRICES OF THE ABOVE QUOTED ON APPLICATION.

MONT DORE MONTMIRAIL MONTREUX NOCERA UMBRA PELLEGRINO PERRIER PLOMBIERES PLUTO POLAND ROYAT RUBINAT-LLORACH RUBINAT-SERRE ST. BCES
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SULIS TANSAN VALS VICHY-CELESTINS Do. HOPITAL Do. GRANDE GRILLE VILLACABRAS WOODHALL SPA

MALVERN (ALPHA)

Any Natural Mineral Water not in stock, if procurable, can be imported to special order during the Season.

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Telephone: Hop 4343 (2 lines).

Telegrams: "INGRAM ROYLE, WATLOO, LONDON."

LIVERPOOL, 19 South John Street.

Telegrams: "CELESTINS LIVERPOOL." Telephone: BANK 4528.

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THE CHEMIST AND DRUGGIST

SUPPLEMENT

BOTTLES

THE "EMPIRE" BRAND

It is always wise to be a little ahead of time. That is why we are asking you to send us your stock order for Hot-Water Bottles now. Winter will soon be here and sales booming. But you must keep up your reputation for reliable quality. If you have stuck to our "Empire" brand, that reputation is made. Do not risk tip trying an unknown make. One quality only—the Best. Guaranteed for two years. This year's prices are as follows:

Sizes inches 6×8 6×10 6×12 8×10 8×12 8×14 10×12 10×14 Each Bottle in a strong paper hap, with directions for use.

HOT-WATER BOTTLE COVERS Scarlet or Grey Plush. Sizes inches 6×8 6×10 6×12 8×10 8×12 8×14 10×12 10×14 Each 19 2/- 2/6 2/9 3/- 3/6 3/9 4/3 MUFF WARMER. Drab Rubber, 4×6 in. Each 2/
A discount of 5% for prompt cash is allowed on all amounts of 10/2 and upwards. Money returned if goods are not satisfactory. Winte for illustrated PRICE UST, post free for the asking.

BURGE, WARREN & RIDGLEY, LTD.

91 & 92 GREAT SAFFRON HILL, LONDON, E.C. 1.



#### Hot Water

8/- lb.  $12\times8$  weighs under 13 oz.

Covers for same, assorted sizes, 24/- doz TRUSSES BELTS SUSPENSORIES

& Surgical Appliances

AT LOWEST CURRENT RATES

91 & 93 Newington Causeway, London, S.E. 1.

MANUFACTURER 0 F

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WHOLESALE AND EXPORT.

Contractor to India Office, War Office, Admiralty, etc.

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Telegrams: "ARTAPANUS LONDON."

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Our Offer this Week

#### BRITISH BEST



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6 ., 12 5/- 5/6 ., 7 ., 10 5/- 5/6 ., 8 ., 10 5/6 5/9 ., 8 ., 12 6/- 6/6 ., 8 ., 14 6/9 7/3 .,	6 by	8		
7 10 5/- 5/6 8 10 5/6 5/9 8 12 6/- 6/6 8 14 6/9 7/3		10 .		
8 ., 10 5/6 5/9 ,, 8 ,, 12 6/- 6/6 ,, 8 ,, 14 6/9 7/3 ,,				
8 ,, 12 6/- 6/6 ,, 8 ,, 14 6/9 7/3 ,,				
8 , 14 6/9 7/3 ,				
10 10 71 710	8 ,,			
10 ,, 12 7/- 7/6 ,, 10 ,, 14 8/- 8/6 ,,				
10 14 8/- 8/6 ,,				7/6 ,,
	10	14	8/-	8/6 ,,

WHITE

Special Discounts for Quantities. Artistic SHOWCARD supplied gratis.

SPECIAL LINE IN

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6 by 8 in. 6 by 10 in. 6 by 12 in. 16/-8 by 12 in. 7 by 10 in. 8 by 10 in. 16/6 8 by 14 in. 10 by 12 in. 10 by 14 in. Per dozen net.

"CIRO" MUFF OR COT WARMER (Each mounted on Showcard) 2/9 each net.

All kinds of SURGICAL RUBBER GOODS for the Home and Overseas Markets.

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(And at Rue D'Hauteville, Paris).

All-British Firm. Phone: Cily 7640. Established 44 years.

Monday, October 11th

Saturday. **October** 16th

The Special Rubber Goods Week Issue of the Reliance Sales Bulletin, "Rubberware Sales," will reach you a few days hence. Its contents will include the Programme for this big National Rubberware Sales Week and an Explanation of the Method whereby you can secure a larger volume of business than ever before. Send us a postcard at once if you have not got the current issue of "Rubberware Sales," and look out for the forthcoming edition.

#### RELIANCE SEAMLESS HOT WATER BOTTLE Four Splendid Values

Send your Order now for Immediate Delivery.



Reliance "De Luxe." Finest Quality Rubber.
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Your Profit 3/10



Reliance "Seamless Moulded." Popular Standard Model.

Co:ts you each 5/8
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Reliance "Seamless Moulded." With Douche Attachment, Costs you each Is sold for - Your Profit 4/4



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IN SMALL

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The indications are that the coming season will see a big demand for reliable British-made India Rubber Hot Water Bottles.

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Three reasons why it pays to stock Ingram's "Eclipse" Hot Water Bottle—(1) You have the firm of Ingram's behind you to guarantee the manufacture; (2) the profit is good and the prices are protected by the P.A.T.A.; (3) and the most important, is in selling an "Eclipse" Hot Water Bottle you secure a satisfied customer.



MADE IN VARIOUS SIZES AND

Fitted with WASHER that cannot be lost, and made with a NECK that cannot leak.

PATENT Nos. 107940 & 118022

OBTAINABLE FROM ALL WHOLESALE HOUSES

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Demand for the Nestlé Feeding Bottle is still growing—and it is growing because it is superior to any other feeder on the market. Its many advantages are so evident that mothers, thinking of the safety and comfort of their babies, are insisting upon the Nestlé Feeder.

The teat and rubber valve of the Nestlé Feeder are made with inner rolls which automatically cling and cannot be pulled off by the child. There is not the usual danger of swallowing the teat as in many other feeders. Pure plantation rubber is used in the manufacture of the teat and valve. Colic is prevented by the rubber valve regulating the flow of air behind the milk. This valve also ensures a steady milk flow in accordance with baby's need.

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#### NESTLE Feeding Bottle

The Cheapest full-size Feeding Bottle on the Market.

Every part of the Nestlé Feeder, including box, is British made. Every Feeder is sterilised before leaving the factory.

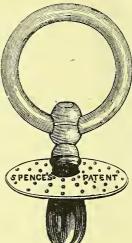
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GOOD SELLING LINES, GOOD PROFITS, AND ABSOLUTE SAFETY IN STOCKING

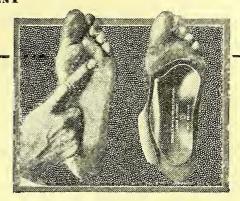
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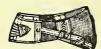
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Gold Beaters' Skin

nother New Speciality.—Try my RANSPARENT SHEEP BAUD-RUCHE CAPPING SKINS.

PHILIP JOSEPHS & SONS LTD. **SHOWCASE QUICKLY EARNS** ITS COST.

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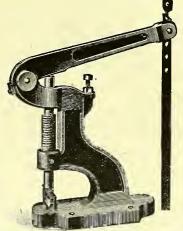
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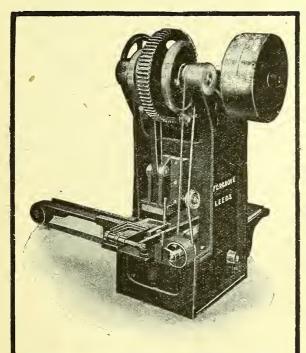
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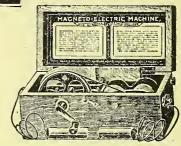
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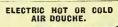
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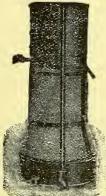
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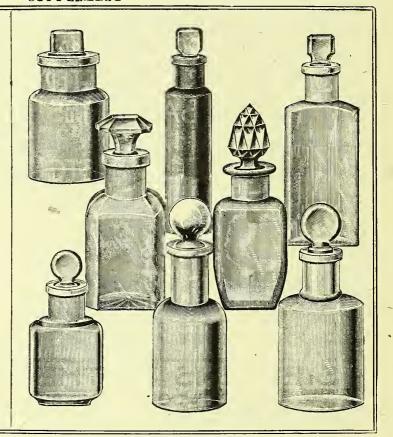
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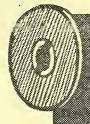
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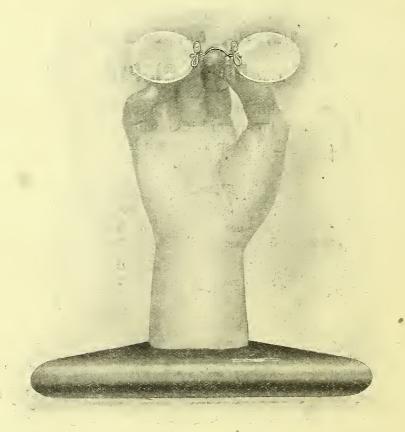
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10.—SOUTH-EAST COAST (Near).—Modern Pharmacy, situate in centre of busy shopping thoroughfare; returns between £2,000 and £2,500; attractive, well-fitted shop, fully stocked; new lease will be granted.

11.—HOME COUNTY (Popular Watering-place).—Retail and Dispensing Business; all good middle-class trading; returns £2,500; opening for extended trade; comfortable residence; held on lease.

on lease.

12.—NORTH-EAST COAST.—Lock-up Pharmacy; returns, present rate, £70 monthly; scope for considerable increase; net profit 25%; rent £30; new lease will be granted, or premises may be purchased; price to be agreed.

13.—WEST OF ENGLAND.—High-class Dispensing Business, with Photographic connection; returns £3,600; net profit about £1,100; well-appointed shop; vendor's own property; this investment is suitable to two men entering into partnership.

14.—HOME COUNTY.—Good-class Retail and Dispensing Business; established many years; returns approach £3,500 per annum, at good prices; the shop is heavily stocked, and there is a comfortable house and garden; held on lease at moderate rental; further details on application.

#### LUATIONS STOCKTAKING.

Messrs. O. & Co., desire to emphasize the necessity of a periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. 0. & Co. are prepared to undertake these essential duties, and make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

#### BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, it preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

COTLAND.—Valuable Proprietary Business for Sale; 70 years' ropitation; capable of large home and export increase. In 1920, under new management, turnover increased threefold and gross profits exceeded £2,000; price for goodwill £2,000; stock, machinery, etc., at valuation; 50 per cent. of trade non-competitive; other interests cause of selling. Apply 155/360, Office petitive; other of this Paper.

SOMERSET.—Chemist's (old-established) Dispensing Business for Sale in a busy manufacturing town with large population; price £950, including stock; handsome modern fixtures, fittings, utensils; double-fronted shop; comfortable house; best position; trade could be largely increased by sale of Chemists' Sundries; premises can be had on long lesse. For further particulars and order to view apply J. Fairweather Fairlie, Trade Valuer, Tisbury, Wilts. Tel.: 5 and 6.

SOUTH COAST.—01 established and flourishing Chemist's and for Sale; freehold, goodwill, stock, and fixtures as it stand of the most important as. Apply to Jenner & Dell, Auctioneers, 22 Regency Square, B. ton, and 54 Church Road, Hove.

A NEW Inhaler (registered design) for sale; also ingredients for Inhaler, Bottles, etc.; also trade-mark. Reply by letter to "Inhaler," care Deacon's Advertising Agents, 7 Leadenhall Street, London, E.C.

PATENT Medicine.—For Sale, Registered Company, complete with stocks; sacrifice £500; cash, £250 shares. Particulars, Middleton & Son, Norfolk House, E.C. 4.

IMMEDIATE Possession.—Pharmacy in Agricultural District; good position; double front; well fitted and fully stocked; pleasant house, facing south; fruit and vegetable garden; lawn and poultry houses; freehold property; for Sale, with immediate possession, or lease. Full details and prices on application to "Agricola" (159/17), Office of this Paper.

OLD-ESTABLISHED, excellent Business, Central Wales; Prescribing, with plenty of scope for Optics and photography; good house, with every convenience; large kitchen garden. For particulars apply "Pharmacy," c/o Evans Sons, Lescher & Webb, particular. Liverpool.

#### AGENCIES.

#### 6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid,

House, with 70 years' reputation, offers profitable commission line to energetic men continually calling upon Doctors and Chemists in all parts of England, Wales, and Ireland; state experience and present lines carried. Apply 155/36, Office of this Paper.

IMPORTANT TO CHEMISTS.—We are Manufacturers of especially fine lines of Trusses and Belts; Agents wanted in all parts. Best terms on application to Gloucestershire Surgical Appliances Co., Expert Truss Manufacturers, 1 Belle Vue Lawn, Cheltenham.

REPRESENTATIVE or resident firm, as Wholesale Agents, required for South Africa by a well-known firm of Chemists' Specialists, whose products, including Perfumery and Druggist Sundries, are already well known on that Continent and enjoy a ready sale, but during and since the war has been somewhat neglected. Apply by letter to "Progress" (29/21P), Office of this Paper.

SMALL firm of Manufacturing Chemists in Sydney are open to take up Agency for Australia of British goods suitable for sale to Pharmaceutical Chemists and other retailers. Write to George Roberts, c/o Peek, Frean & Co., Ltd., 158 Drummond Road, London, S.E. 16,

#### **VALUERS & TRANSFER ACENTS**

35 Jewry Street, Fenchurch Street, E.C. 3.

Telephone: 1809 CENTRAL,

#### NO CHARGE TO PURCHASERS.

1 .- SOUTH MIDLANDS .- Sound Light Country Retail, in best portion of small market town; returns over £2,250, increasing; easily worked; large house and garden; stock and fixtures worth £1,100; price £1,600; personally inspected and strongly recommended.

2.-ESSEX (Popular Seaside Resort).-Old-established Light Retail; returning £2,300, under management; fine main road position; plenty of scope for doing £4,000; house attached; price £1,600.

3.-LONDON, N.W. (few miles out).-Unopposed Light Cash Retail; no Photo, Optics, or N.H.I.; returns £30 a week; plenty of scope in qualified hands; modern house; good garden; own property; price £1,400; stock and fixtures worth over £1,000.

#### BUSINESSES WANTED.

#### STOCKTAKING.

We are now booking dates for October and November, terms sent on application.

ESTABLISHED 1870.

#### THE ASSOCIATION OF MANUFACTURING

Chemists' Transfer Agency, Auction and Valuation Department,

Head Offices-31 Kimberley House, 14-17 Holborn Viaduct, London, E.C. 1

Teleg. Add.: "Asmanist, Cent, London."

Liverpool Office-35, 36, 37 Exchange Chambers, 2 Bixteth Street . . . . Liverpool

We have the following Businesses for disposal:

PICCADILLY.—Retail Dispensing Chemists; lock-up shop; rent £95 p.a.; tenancy agreement with six years to run; returns average £1,800 p.a.; majority ready money, but good accounts carried; stock estimated £600; under management; in present hands four years; nicely fitted; net profits estimated £350; offers invited

CAMBERWELL.—Compact Drug Stores; small shop adequately fitted; dwelling accommodation attached; parlour, dispensary, six rooms, shed, and good-sized garden; gas on all floors; separate meter and water for upper part; rent £45; three rooms let off at £38 p.a.; three years' agreement, with option of 14 years' lease; established 30 years; very much neglected.

SUTTON, SURREY.—Good old-established Retail Dispensing Chemist's Business; held on lease. with 16 years to run; rent £100; excellent dwelling accommodation; well-fitted shop; good stock; returns average £30 per week; scope for increase; offers

SOMERSET.—Good-class Family Retail, in main thoroughfare of busy town; further particulars on application.

LONDON.—Small Drug Stores, busy thoroughfare; monthly tenancy at rental of 15s. 4d. week. Full particulars on application.

We have a large number of Chemists on our Register requiring Businesses on the South Coast and West of England, and should be glad to hear from intending Vendors, with full particulars of their Businesses. Our methods are strictly confidential, and we are constantly in touch with genuine Buyers, both Wholesale and Retail. Valuations prepared for Purchase, Sale, Income Tax, Balance Sheet, Probate, etc.

All Valuations have the personal attention of F. J. Brett, M.P.S.

Transfer Agents & Valuers, 73 LAUREL ROAD, LEICESTER.

Telephone: 1934.

Wanted, a Business, Midlands, returning from £3,000 to £4,000; good General Light Retail.

Also three Businesses with good Dispensing; South, or within 100 miles of London; returns £2,500 to £3,000; other two from £3,000 to £5,000.
Also General Retail in good market town; cash in hand £2,000.

For all the above we have cash buyers.

We have Buyers with Cash Ready for all Classes and Sizes of Businesses.

#### PARSON G. BAKER Ph C., M.P.S., A. 4 Cyprus Boad, Church End, N.3 Wm. ROOKE ROBERTS, M.P.S., F.S.M.C.

175 Victoria Street, S.W.1. Teli's Victoria 27.

Valuers for Purchase, Sale, Probate, Income Tax, Balance Sheet, Sc. Recommended by The British Drug Houses, Ltd., Messrs: Meggeson Ltd., Messrs. Barclay & Sons, Ltd., and many other leading Wholesale Houses. Valuers to the Association of Manufacturing Chemists.

#### STOCKTAKING IS **BUSINESS NECESSITY**

Write for Terms to

#### Ernest J. George

202 Birmingham Road,

(Thirty Years' Drug Trade Experience)

Walsall.

Chemists' Accountant, Valuer, Transfer Agent and Expert Stocktaker for Sale, Purchase, Income Tax, etc.

Books Written Up. Balance Sheets Prepared. Prescriptions Priced. 

#### FOR SALE.

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

FIOR Sale, Cash Coils; 12 dozen  $3\frac{1}{8} \times 25$  yards, to fit Gledhill Tills, 7s. doz.; 12 dozen  $2\frac{1}{8} \times 45$  yards, to fit O'Brien's, 8s. dozen; post free; gross lots 70s. and 80s. to clear; about half to-day's price. "Coils" (155/26), Office of this Paper.

FOR Sale, Hand Pill-piping Press (Pindar); cylinder  $4\frac{1}{2}'' \times 8''$  inside; 3 plates; complete and new; price £10. Woolley, Knowsley Street, Cheetham, Manchester.

NATIONAL Cash Register, in good working order; totals amounts attributable to each key. Apply Parks & Lusty, The Pharmacy, Tenbury Wells, Wores.

CROTONIS TIGLII; about 3 gallons; what offers? Cheetham, Chemist, Tyne Dock.

WHAT Offers? Showcase, best plate-glass front, ebonised frame, mirror back to open, three plate-glass shelves on movable brackets, as Maw's fig. 174/W., 24" × 19" × 9\frac{1}{2}"; two Specie Jars, gilt-glass oovers, 21" high. Armstrong, 165 Black-stock Road, N. 4.

#### PRIVATE TREATY.

PRIVATE Treaty.—MacSymon's Stores, Ltd., removing from their premises, Deane Street, Liverpool, offer their Drug Department, with its very large and valuable stock of Drugs and Sundries, together with trade fixtures and full equipment, for immediate disposal as a whole. All communications to be addressed, T. Smith, Manager Drug Department, MacSymon's Stores, Ltd., Deane Street, Liverpool.

Warden and Secretary.

#### BUSINESSES WANTED.

Co. for 50 words or less ; 6d. for every additional 10 words or less, prepaid,

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

SOUTH Coast town; Brighton, Southampton, or Bournemouth preferred; genuine Business wanted; returns about £2,000; prompt cash up to £1,000. Particulars in confidence, "H.," 35 Hampton Place, Brighton.

A SMALL, genuine Business wanted in London Suburb or Southern Counties; residence essential; about £500 capital available. Full particulars to 160/3, Office of this Paper.

A DVERTISER, returning England, wants established Mixed Drug Store; scope for Stationery and side-lines, wine licence, or P.O. not objected to; house with gurden, or pleasant living locality handy; will buy premises; particulars kept strictly private. Advertiser cannot reply till about October 25th. Apply "Liverpool" (207/34), Office of this Paper.

BUSINESS required in North Yorks or South Durham, doing about £1,500 to £2,000 a year; genuine concern; must bear strictest investigation. Apply 151/24, Office of this Paper.

SMALL Chemist's Business wanted; South Coast or large town preferred; must be genuiue, with scope for increase. Send full particulars, in confidence, to, "Pharmacist," 8 Pentwyn Avenue, Blackwood, Mon.

WANTED, a Business in London or South Coast; roomy shop and good position, but big turnover not essential; spot cash up to £2,000; no agents. "Confident" (4/65B), Office of this Paper.

#### PARTNERSHIPS.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

CHEMIST, with varied experience, is willing to invest capital in genuine business, with view to managership, partnership, or succession; preferably with house accommodation. Apply "Homo" (161/2), Office of this Paper.

#### SITUATIONS OPEN.

#### RETAIL.

63. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this · Office, and forwarded on payment of an additional charge of 1/4

BATH.—Competent Assistant required, accustomed to good class Dispensing business, for November 1st; age about 26; unmarried preferred. Apply, giving full particulars in first letter of experience and salary required, enclosing photo, to John Hawes, 37 St. James's Square, Bath.

BRISTOL.—Junior Assistant for Dispensing and Photographic business; outdoors. Apply, stating age, height, salary required, experience, also references, with photo (if possible), to F. Moss, 206 Redland Road, Bristol.

RISTOL.—A vacancy occurs for smart unqualified Assistant, with good experience and address; age about 30. Apply by letter (in first instance), giving usual particulars, and enclose photo, Spracketts, Chemists, 5 Broad Quay (Tramways Centre), Bristol.

HYDE, CHES.—Manager for small branch; young, capable, and experienced. Give full particulars and salary required by letter to H. Bellringer, 20 Great Clowes Street, Manchester.

HARROGATE -Wanted, Junior (male) for good-class Dispensing and family hysiness, confirmally appropriate the confirmal statement of the confirmal statement o and family business; gentlemanly appearance. Address, with full particulars as to age, salary, etc., to Mr. Leo, Benjamin, 57 Cold. Bath Road, Harrogate.

PSWICH.—Wanted (at once), an unqualified Assistant, from 25 to 30 years, or young qualified man seeking experience, for middle-class business; Eastern Counties man preferred; state age, height, experience, and salary required (outdoors). Edwards, Ohemist, St. Nicholas Street, Ipswich.

Condon.—Exceptional prospects; smart, reliable, experienced Assistant; 30-35; must have a good record and be recommended; Salesman, worker, and gentleman. Send photo, references, salary required, to "Rimmington" (P.C.B. 24/28), Office of this Paper.

LONDON, W.—Competent Assistant required; oue accustomed to West-End business preferred. Call or write, Rouse & Co., 12 Wigmore Street, London, W.

ONDON (ROYAL FREE HOSPITAL) SCHOOL OF MEDICINE FOR WOMEN. (University of London.)

#### LECTURERSHIP IN PHARMACY.

The Council invite applications for the part-time post of Lecturer in Pharmacy and Teacher of Practical Pharmacy. Full particulars can be obtained from the undersigned, to whom applications should be sent not later than November 1st.

LOUIE M. BROOKS,

8 Hunter Street, W.C. 1.

MIDDLESBROUGH.—Assistant required; abstainer preferred. Apply, stating age, height, experience, if knowledge of Photography, and salary required, Waters, 79 Linthorpe Road,

MANCHESTER DISTRICT.—Junior Assistant, with Dispensing experience, required at once. Give full particulars, salary, etc., and enclose photo, J. Rose, Pharmacist, Urmston.

NOTTINGHAM.—Young Assistant, with Apothecaries' qualification, for Dispensing and Light Retail business; please state age, experience, and salary required; outdoors; short hours; photo, if convenient; apply in first instance by writing only; applications not answered in 3 days declined. E. W. Whitchurch, Chemist, 50 Goldsmith Street, Nottingham.

OLDBURY, WORCS.—Junior Assistant, unqualified; lady not objected to; Iusurance Dispensing and Light Retail; state usual particulars, salary, etc. C. H. White, Oldbury.

RICHMOND, SURREY.—Qualified Assistant wanted, age 25 to 30, for good-class Store trade; permanency; comfortable hours and no Sunday work. Apply, personally, between 10 and 12.30, or by letter, stating full particulars and salary required, Coppen Bros., Ltd., 12½ Carey Street, Horseferry Road, Westminster, S.W. 1.

OUTH WALES.—Unqualified Assistant (male), single preferred, but not essential, for General Retail, Photographic, and Dispensing business. Apply, stating age, height, and salary required, to R. L. Hopkius, 88 High Street, Barry, Glam.

SOUTH WALES.—Junior Assistant required for Counter and Dispensing; permanency to suitable man. State age, salary required, and when at liherty, "Glam" (160/37), Office of this

#### WEST DERBY UNION-WALTON INSTITUTION.

The Guardians require the services of a DISPENSER. Salary (including war bonus) £200 per annum, subject to a deduction under the Poor Law Officers' Superannuation Act, 1896, to devote full time to the duties; Pharmaccutical Society's qualification, and

full time to the duties, 1. The to be duly registered.

Applications, stating age, present employment, references, to be sent to me not later than Wednesday, 13th inst.

HARRIS P. CLEAVER,
Union C. references, etc.,

Union Offices, Brougham Terraee, Liverpool, 4th October, 1920.

#### WEST LONDON HOSPITAL, HAMMERSMITH, W. 6.

Wanted, a qualified Assistant Dispenser (male). Must have had previous Hospital experience. Hours 9 a.m. till 5.30 p.m., and a certain amount of evening work from 5.30 to 7.30. Apply, with fullest particulars, stating age, salary required, and enclosing copies of recent testimonials, to the Pharmwist.

SSISTANT wanted (lady or gentleman) in Light Retail and Dispensing business; outdoors. J. E. French, Chemist,

A SSISTANT, smart and reliable, about 20, for South London, with good experience in up-to-date Window-dressing, Photography, and Dispensing. In reply, please state age, experience, references, and salary, to 159/19, Office of this Paper.

AT ONCE.—Unqualified Junior required; good Dispensing experience essential; must be accustomed to high-class Counterwork. Apply, giving full particulars and salary required, to W. Malden & Co., Ltd., 205 Brompton Road, London, S.W. 3.

CAPABLE, qualified Manager for good-class Retail which has been neglected; large town West of England; house free; progressive salary; a man with ability would be given every opportunity; state age, experience, married or single, and give references, which must bear strict investigation. Apply 158/5, Office of this Paper.

CAPABLE Assistant, for medium-class business, required as soon as convenient; qualification unnecessary; interview with pleasure. Age, experience, salary required (usual hours), when disengaged, to H. W. Beale, 3 High Street, South Norwood,

DISPENSER or Front Counter in good-class business; highest references (Bath, London, etc.); Minor qualification; outdoors; state salary; disengaged. Mrs. —, c/o Randall & Son, Ltd., 146 High Street, Southampton:

JUNIOR (male) required for Dispensing, Counter, and Stock for a quick cash business; comfortable berth; outdoors; must have good reference. Apply, with full particulars, to Fred. R. Smallman, 228 Soho Road, Birmingham.

LADY Dispenser; Minor or Hall; please state experience, references, and salary required. C. A. Maries, Waterloo, Liverpool.

MR. HUBERT B. FIGG, Pharmacist, Berkhamsted, has a experience in Retail Pharmacy, Dispensing, etc., knowledge of Photography an advantage; with reply, state experience, age, height, references, and salary expected; sent photo (if possible), to be returned.

MANAGER, country branch, with Photographic and Agricultural knowledge; state experience and salary required, with photo. Topping Bros., Chemists, Preston.

QUALIFIED Manager, also Junior, at once; high-class Dispensing and Retail business; state age, salary required, and usual particulars. Goode, Ph.C., Erdington, Birmingham.

UALIFIED Manager for branch business (at once); must be young and energetic, good Salesman, Window-dresser, obliging, and have good references. Apply, stating age, wages, and experiences, also enclose photo, to William F. Cole, 2 Commercial Road, Lowestoft.

QUALIFIED Assistant required by South African Chemist; salary to commence £35 monthly; advanced fare to be repaid by applicant selected. 36/448, Office of this Paper.

UNQUALIFIED Assistant wanted for Dispensing, Counter, and Photographics; easy hours; no Sunday or holiday duty; give full particulars, age, experience, references, salary required, etc., photo if convenient. Smith, Chemist Durham.

UNQUALIFIED Assistant, about 24; male; single; outdoors; must be accustomed to good-class Dispensing and Counter and have excellent references. Please state previous experience, age, height, salary, and when disengaged, to Godkin, 1 High Street, Tunbridge Wells.

WANTED, a gentlemanly Assistant (Junior or Improver); one with London or suburban experience preferred, and accustomed to good-class Dispensing business; outdoors; state age, experience, and salary required. Barnes & Marsh, Putney, S.W. 15.

WANTED, a qualified Assistant; outdoors; working hours 50 per week; duties chiefly Dispensing; a Junior also required. Apply, giving full particulars, to D. P. Roberts, Chemist, Poplar Walk, Croydon.

WANTED, Junior Assistant, unqualified; Light Retail and Dispensing business. Apply, with full particulars, stating salary required (outdoors), Ostler & Co., Chemists, Rochester.

WANTED, immediately, Junior (male), unqualified, with good bispensing experience; Welsh-speaking preferred. Apply, stating age, references, and salary required (outdoors), Pritchard, The Pharmacy, Prestatyn.

University College Hospital, Gower Street, W.C. 1.—Parttime Assistant Dispenser, holding Pharmaceutical Society's qualifications, required for evening duties. Apply to C. H. Hampshire, Pharmacist.

VACANOY in good-class Dispensing business, near Birmingham, for a competent Junior Assistant. State full particulars to 159/4, Office of this Paper.

Vacancy for qualified man, to manage Branch Shop of the Denaby Main Ind. Co-operative Society, Ltd., Denaby Main, near Rotherham, has now been filled.

YOUNG, unqualified male required as Third Assistant in highelass West-End Dispensing business. Apply, personally or by letter, to W. S. R., 40 Connaught Street, Hyde Park, W. 2.

YOUNG Junior Assistant required; one just out of apprenticeship preferred; outdoors; must know how to treat customers properly; state age, wages required, etc. Also wanted, a young Lady Dispenser; one who has had experience with a Chemist (not with a Doctor) preferred. The Prosser Roberts Co., Pharmaceutical Chemists, 323 Walworth Road, S.E.

#### WHOLESALE,

RASTERN COUNTIES (excluding Essex).—Required at onee, by well-known Pharmaceutical house, a resident Representative for this territory; applicant must have a live connection amongst Chemists and Doctors in this area; an excellent opportunity for a good worker. Apply, stating salary required, previous experience, etc., to 4/67B, Office of this Paper.

ONDON (South-East and South-West).—Smart Representative. with an established connection amongst Pharmacists and Medical Men in this area, is wanted as soon as possible by a firm of Wholesale Chemists. Apply, with full particulars as to salary required, previous experience, etc., to 4/670, Office of this Paper.

MANCHESTER firm is desirous of corresponding with gentlemen having goed commercial knowledge of the Drug trade; liberal terms and prospects would be offered to suitable persons qualified to call on Doctors and Chemists; confidence respected and full details must be submitted. 161/32, Office of this Paper.

A MIDLAND firm of Manufacturing Chemists making proprietaries, the chief of which already has an annual sale of 90,000 × 1/3 boxes, is desirous of securing the services of a Sales Manager who can create a good selling organisation and extension of business; preference given to one who is prepared to take a financial interest in the concern; state experience and salary required. "Organiser" (36/438), Office of this Paper.

CHEMICALS.—London Merchants have vacancy for Salesman and Market Clerk; a sound experience of the heavy chemical merchant business essential; salary according to qualifications and experience, with good prospects of advancement for a suitable man; replies treated in confidence. Apply 4/66B, Office of this Paper.

COMMISSION Travellers and Buying Agents wanted for charming novelties selling to Chemists in thousands; shows excellent profit Retail, Wholcsale, and representatives; state territory and present engagements. "G.," 73 Horsford Road, London, S.W. 2.

INVOICE Clerk, male, typist, with knowledge of Portuguese and Spanish, and accustomed to make out Consular Invoices. Write, stating age, experience, and salary required, to "Spain," 56/59 Bunhill Row, E.C. 1.

JUNIOR Male Clerks wanted in London Wholesale Patent Medicine House, used to pricing and taking telephone orders Apply, stating experience and salary required, to A. H. (P.C.B. 24/25), Office of this Paper.

R. J. REUTER, 69 Carter Lane, E.C. 4, Manufacturer of, and Dealer in, Chemists' Sundries, Manicure Cases and Requisites, and Fancy Tolet Goods, has a vacancy for a well-educated young man, not over 30; the position offers permanent prospects to a hard worker, willing and able to acquire a sound all-round knowledge of the business; aptitude for Salesmanship and supervision of others essential; only those with experience in a similar business need apply. Apply first by letter, stating age, commencing salary expected, experience, and when disengaged; personal interview only by appointment.

REPRESENTATIVE required to call on Doctors with medical speciality; good prospects for the right man. Apply, giving full particulars of experience, 152/29, Office of this Paper.

REPRESENTATIVE wanted, calling on Chemists, to corry good Proprietary line on commission; genuine and ready seller. Apply to 15/14I, Office of this Paper.

REPRESENTATIVES, having live connections in the following territories, Midlands, East Coast, South Wales, Lancs and North-West, South Coast, London and Home Counties, required by Toilet and Perfumery Manufacturers. Full particulars, when disengaged, etc., to "M." (1/20A), Office of this Paper.

STOCKKEEPER required by firm dealing in Patent Medicines, etc.; state experience, age, and wages asked; fidelity guarantee required. Address "Stockkeeper," c/o Mitchell's Advertising Agency, 1 Snow Hill, E.C. 1.

TRAVELLER for London with connection specially in City, West-End, and Northern districts; liberal salary and commission to smart, energetic man. Apply by letter, stating expenses, salary required, to White Band Manufacturing Co., Ltd., Croydon.

TRAVELLERS required for London area and South Coast, West of England, Birmingham and district, for a well-advertised Medicinal Water. Write, stating lines now carried, districts covered, together with experience and terms expected, which will be treated in confidence, to Box 506, c/o Mitchell's Advertising Agency, 1 Snow Hill, E.C. 1.

WANTED, by firm of Manufacturing Chemists, a first-class Representative for South of England to sell packed goods on commission basis. Particulars and references to 36/42S, Office of this Paper.

WANTED, Traveller, calling on country Chemists about twice a year, to take a good extra line on commission basis; old-established agricultural goods; one reliable representative covering the whole country preferred. "Energy" (P.C.B. 24/6), Office of this Paper.

WANTED, a thoroughly experienced Invoice Clerk for checking and extending, by provincial Wholesale house. Apply, stating age and salary required, "Northern" (21/14L), Office of this Paper.

WANTED, by young and progressive firm, qualified Pharmaeeutical Chemist for Manufacturing; must be energetic, good disciplinarian, experienced with latest production methods and in manufacture of Ointments, Medicated Syrups, Jellies, Pastilles; all applications acknowledged and treated in strict confidence. Write, stating experience, age, terms, to Box 542, The Walliss-Hammond Service, Wardrobe Court, 146a Queen Victoria Street, E.C. 4.

WRIGHT, LAYMAN & UMNEY, LTD., require a good Invoice Clerk, with experience, and accurate at figures. Apply, by letter, F. N. L., 46 Southwark Street, S.E. 1.

YOUNG unqualified Assistant required by provincial Wholesale house for Pharmaceutical Department. State experience and salary required in first instance to "Phenol" (39/1U), Office of this Paper.

#### SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

BELGIUM.—Fully-experienced man wanted, capable of initiating and managing a department for the manufacture and coating of compressed Tablets and Pills; highest references required, together with particulars as to age, experience, etc. Address "Belgium" (29/22P), Office of this Paper.

#### SITUATIONS WANTED.

#### [HOME.]

#### RETAIL.

2s. for 18 words or less ; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, it preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of V.,

A.A. A.—QUALIFIED (25); permanency; good worker; Assistant or Branch Manager. Yokins, 10 South

A.A. -UNQUALIFIED; single; 33 years; tall; experienced all branches; Locum or permanent. Write, c/o 157 Holdenhurst Road, Bournemouth.

A CHEMIST (27), with Dispensing, Counter, and Photographic experience, will manage or assist; Locum or permanency; good references and well recommended. Please apply "Qualified," 186 Vauxhall Bridge Road, Westminster, S.W. 1.

A GOOD reliable Assistant requires permanent borth; 25 years' experience Dispensing, Counter, Photography; fair knowledge Optics; good references; unqualified. Gorell, 43 Hall Royd, Shipley, Yorks.

A QUALIFIED Chemist as Manager or Assistant; 20 years' experience; permanency preferred; disengaged at present. Davies, Ty Cwrdd, Llwynhendy, Llanelly.

A QUALIFIED Assistant (27), disengaged, desires permanency; good experience Dispensing and Counter. Weavers, 16 Heslington Road, York.

A QUALIFIED Chemist, middle-aged, disengaged, seeks situation; varied experience, active, diligent, reliable; highest references; reasonable salary. Apply 160/26, Office of this Paper.

A QUALIFIED Chemist, with first-class references, desires permanent position as Manager in London; interview arranged. C/o 13 Coniger Road, Parson's Green, S.W. 6.

A RELIABLE lady Assistant requires situation at once in London, North preferred; four years' all-round experience in Counter, Window-dressing, Stock, and some Photography. Miss Hepburn, 42 Cornwall Road, Tottenham.

A THOROUGHLY experienced man in all branches of the trade (including Optics and Photography) is open to engagement as Manager; Leicester district preferred. 31 Lorne Street, Burslem, Staffs.

A WELL-EXPERIENCED Manager or Assistant; London, provincial references; moderate salary; disengaged. "Chemist," 67 Bath Road, Exeter.

A CCRINGTON, BURNLEY, or DISTRICT.—Qualified; 26; Manger or Assistant; Photographics and Optics; disengaged. Nowell, Station Road, Huncoat, Accrington.

ACTIVE and competent; qualified; 28; single; Scotsman; thoroughly honest; experienced as Manager and Senior; accept position in town or country, Scotland or England. Particulars to 158/2, Office of this Paper.

A DYERTISER, woman (Hall), used to Clerical work, Dressings; reliable, willing; last references 2½ years; Manchester district preferred. Apply 161/34, Office of this Paper.

AN active, qualified Manager (36) seeks similar position; 8½ years' successful London Managership, first-class West-End Dispensing experience; Photography; succession or partnership considered. "M.P.S.," 8 Priory Villas, Friern Barnet, N. 11.

A N experienced Pharmacist (qualified), London (West End), Continental, and provincial experience, highest references, desires Managership or responsible post. Apply Geenty, 6 Newton Crescent, Chapeltown Road, Leeds.

A N experienced Dispenser (Hall), lady, seeks post, Hospital or Institution; thorough knowledge Hospital and Surgery work; excellent testimonials. 159/25, Office of this Paper.

A PPRENTICE.—Young lady, passed London Matriculation. Particulars, B. B., "Oaklands," Whitton Road, Hounslow.

A PPRENTICESHIP wanted in London; young lady, 21; excellent references. Miss Jarvis, Wargrave Road, Twyford, Berks.

A RE you in want of a competent, reliable, live Assistant for any period to help you? If so write or wire, and see if we can fix terms; interview if desired; disengaged now. "Theone," 239 Camberwell New Road, S.E. 5.

A S Managing Assistant, Drug Store Manager, or Senior, in good industrial district, London, Midlands, or North; keen, active business methods; Dispensing, Counter, Photographies; 30 years wide experience; moderate salary. Smith, c/o Bell's Pharmacy, 58 York Road, Waterloo, S.E.

A S Manager, Drug Stores; unqualified; good Prescriber, Counterman, Window-dresser, Photographics; married; reside over premises if convenient; London or provinces; state salary. Parren, 1098 Harrow Road, N.W.

A S qualified Manager or Locum; disengaged; good all-round experience; town or country. J. Fraser, 57 Cranbury Road, Fulham, S.W.

A SSISTANT or Branch Manager; 35; unqualified; married; Counter, Dispensing; disengaged any time; Midlands preferred. Apply 157/24, Office of this Paper.

A SSISTANT, unqualified, desires post Manager Drug Stores; disengaged end October. Clark, c/o Hardy & Son, Catherine Street, Salisbury.

A SSISTANT, qualified, requires situation; good all-round knowledge; married; highest credentials. Write G. W. Todd, 63 Lennox Road, Finsbury Park, London, N. 4.

A SSISTANT, unqualified (30), requires post; General experience Counter, Stock, and Dispensing. Searle, 2 Carlisle Avenue, Plymouth.

A SSISTANT (26), Part I. Minor, desires situation; reliable Dispenser; good references; Brighton or district preferable. "E. W. H.," 52 Clyde Road, Brighton.

A SSISTANT.—Gentleman, 15 years' high-class West End experience Counter and Dispensing, desires position (at once), London. Gray (159/100), Office of this Paper.

A SSISTANT (26); 11 years' good-class varied experience Dispensing, Counter, and Photography; state particulars, hours, etc.; Northern Counties preferred. 160/14, Office of this Paper.

A T liberty; qualified (26), tall, keeu, hard worker; moderate salary to commence; good all-round experience and references. Particulars "Acetal" (157/18), Office of this Paper.

A T 2s. hourly.—Qualified; 16 years' all-round experience; fluent French. Pharmacist, 78 Rockingham Street, S.E.

A VAILABLE now; qualified Chemist and Optician (F.S.M.C.), Sight-Testing (own equipment), Photographic, Dispensing, and Counter experience; Manager or otherwise; single. Brumby, 27 Hamilton Road, Bedford Park, London, W. 4.

BRANCH Manager or Assistant (31), pre-war qualification, abstainer, single, desires situation, London or near; excellent all-round Scotch and English experience; disengaged. Apply 158/15, Office of this Paper.

BRANCH or Managing Assistant (unqualified), 38, desires permanency; good-class Dispensing and Counter; keen and active business methods, with wide experience; reliable and trustworthy; highest references. "Salol," 110 Hunters Road, Handsworth, Birmingham.

BRANCH Manager or Assistant; excellent all-round experience; good Prescriber and organiser; Photography. 158/40, Office of this Paper.

BRISTOL or near.—Qualified Assistant (28), single, desires permanency; excellent experience Dispensing and Photographic. Hooper, Orchard House, Kingswood, Bristol.

CHEMIST (qualified), City experience Prescriber, Salesman, tall, married, seeks immediate position as Manager or Senior; would accept a Locum or Wholesale berth. P.C.B. 24/30, Office of this Paper. Will advertiser kindly send his name and address to this office?

CLERICAL.—Evening work of any kind; writing up accounts and posting up books; terms moderate. Write "F. G." (207/37), Office of this Paper.

COUNTER Hand-Dispenser requires situation immediately; has excellent references, Photographic knowledge; willing and courteous manner; unqualified; last situation ten years. Betts, Berry Cottage, Denton, Northampton.

DISENGAGED.—Locum, or where a Manager is required urgently; qualified; elderly; good Salesman; very active; thoroughly experienced. Apply 152/12, Office of this Paper.

DISENGAGED.—Dispenser, Part I., Minor (22), desires to enter Retail as Junior. Terms, "Xylem," 27 Surrey 1 ane, Battersea.

DISENGAGED.—Highly experienced Assistant; smart Counterman; good address; excellent references; tall; town only. N., 11 James Street, Paddington, W.

DISPENSER, lady (Hall), disengaged, desires daily post; five years' reference. Miss B. Warrington, 48 Buckleigh Road,

DISPENSER (male) seeks post with Chemist, Doctor, or Iustitution; over 10 years' experience; good references; quick, economical; outdoors preferred. Further particulars Hughes, Bodnant, Penygroes, North Wales.

DISPENSER, middle-aged, thoroughly experienced, seeks situation with medical man. "Spes," c/o Powell, 110 Campden Hill Road, Kensington, W. 8.

DISPENSER (Hall), lady, requires first post with Doctor or Institution; experienced Bookkeeper. Farrow, 65 Mayfair Avenue, Ilford, Essex.

DISPENSER, lady (Hall), experienced, part-time, Minor student, desires post, Manchester or district. Tomlinson, 40 Davenport Road, Hazel Grove, Cheshire.

DISPENSER-BOOKKEEPER, lady, Hall, wishes post with Doctor in country town practice; four years' experience. Apply 155/300, Office of this Paper.

RUG Stores Manager, experienced Prescriber, would accept moderate salary; entertain succession. "Chemicus," 58 Gipsy Hill, S.E.

EAST LANCASHIRE (Burnley district preferred).—Junior (20); competent Dispenser, Counter; excellent eredentials; interview. Richardson, 10 Brockenhurst Street, Burnley.

RASTBOURNE or District.—Qualified (23); Photography. J. Carpenter, Albion Cottage, Polegate, Sussex.

ENERGETIC; 25; qualified; good experience and testimonials; smart appearance. Apply 157/12, Office of this Paper.

EVENINGS (Minor Student); Dispensing, Counter, or Clerical; London; highest references. Smith, 27 Windermere Read, Ealing.

EVENINGS.—Qualified man requires berth in good-class busy Pharmacy; any hours; W. or S.W. preferred, but not esseutial. 158/6, Office of this Paper.

EXPERIENCED quaiffed man requires berth as Manager; one with view to succession preferred, but not essential. Apply 158/27, Office of this Paper.

JUNIOR requires berth in Loudon where Dispensing experience can be gained in high-class Pharmacy. Apply 156/10, Office of this Paper.

JUNIOR (21); 4 years' Dispensing and Counter; smart and quick; East Midlands preferred. Hudson, 46a Bridge Street, Evesham.

JUNIOR (20), 4-year Apprentice, seeks post, with good high-class Dispensing experience; Bath or Cardiff district preferred; free November. Littlejohns, Atworth, Melksham.

KEEN AS MUSTARD.—Young energetic Pharmacist seeks position of responsibility; progressive salary; high-class only; Photography; London preferred. Wood, Highfield Terrace, Halifax.

KENT, SUSSEX, or ESSEX.—Elderly, active Manager for Branch or Locum, open for engagement. Apply 155/32, Office of this Paper.

LADY Assistant seeks post; part Dispenser; reliable and energetic; five years' busy trade. Apply 151/25, Office of this Paper.

LADY Dispenser (Hall) desires post with Chemist to learn Retail; four years' experience with Doctors; excellent references. Apply 155/30, Office of this Paper.

ADY Dispenser (Hall) desires post with Doetor or Hospital; Liverpool or Southport district preferred. H. Baker, Hillside, Audlem, Cheshire.

ADY Dispenser (Hall), Bookkeeper requires post; Doctor or Chemist; experienced and reliable; execulent references. E. B., 45 Plympton Road, Brondesbury.

ADY Pharmacist requires responsible position; good sound all-round experience. Apply P.C.B. 23/27, Office of this Paper.

ADY, with little experience in Dispensiug, seeks practice under supervision; keep books, or otherwise helpful to Doctor or Chemist; salary immaterial; disengaged. R. W. (160/13), Office of this Paper.

Lapable unqualified Assistant seeks berth; Ucal preferred; keen business man; thoroughly conversant all branches, also Optics; 17 years' continuous experience; interview. Apply 157/23, Office of this Paper.

IVERPOOL or District.—Manager (Branch) or Drug Stores; widely experienced; present berth 5½ years; 39; married; Hall qualification and indentured apprenticeship; could wait if desired; highest references; moderate salary. Apply "Reliable" (160/35), Office of this Paper.

LOCUM; reliable, qualified, disengaged. C. H. Siddle, 3 High-field Avenue, Golders Green, London, N.W. 4.

LOCUM TENENS.—A. H. Cooper, M.P.S., 5 Vineyards, Bath; six years' continuous and varied experience.

LOCUM (47); 5 years' experience; excellent references. Howes, 15 Hexthorpe Road, Doncaster.

L OCUM; highest references; well recommended; moderate terms; good Prescriber. "Beta," 74 West Hill, East Putney, S.W. 15.

OCUM; fully experienced; thoroughly trustworthy; disengaged. "Locum Tenens," 8 Summerhill Avenue, Newport,

TOCUM or Permanency.—Qualified; 44; disengaged; excellent Retail and Dispensing experience; references. "Chemist," 72 Bovill Street, Radford, Nottingham.

DOCUM Manager; disengaged November 7th; capable, energetic. B., 40 Connaught Road, Margate.

L OCUM (temporary Manager); disengaged; Miuor; country; 53; first-class references and experience; euergetic; moderate terms; Photography, Optics. Dewey, 4 Montague Gardens, Wallipston

M.P.S., 24, excellent all-round experience Photography, etc.; Locum or permanency; exceptional references; Keut or Brighton district preferred. State salary to W. Ferndale, Goddington Road, Strood, Kent.

M.P.S., 22, desirous permaneney; reliable Dispenser, with Photographio experience; moderate terms. Roberts, Rhiwenfa, Rhiwlas, Bangor, N. Wales.

MR. ORAM, Chemist, Romsey, Hampshire, strongly recommends his young lady apprentice; disengaged end of month; excellent at Stock, the Counter, and Dispensing.

MANAGEMENT or Locum; middle-aged, well experienced, and reliable; active, courteous; well recommended. Chemist, 68 Addison Street, Nottingham.

MANAGER or Assistant; qualified; abstainer; 18 years' excelent experience; disengaged; temporary or permauent. Fides," 98 Greyhound Lane, Streatham, S.W.

MANAGEE; qualified; large experience; late positious 3, 5, 7 years. 39 Church Avenue, Sheen, S.W.

MANAGER or Assistant; qualified; 26; all-round experience; Photographics and Optics; free to start immediately. Apply 155/31, Office of this Paper.

MANAGER, qualified; long and thorough expertence in all branches, town and country; permanency; disengaged; married. Salary and details to "Omar," 26 Fox Hill, S.E. 19.

MANAGER, capable, experienced, all-round man, seeks new position as Manager; highest references. H. E., 24 Ald-bourne Road, W. 12.

MANAGER, Locum, or part-time; good West-End experience; at liberty now. J. R., 24 Eaton Terrace, S.W. 1.

MANAGER or Locum; qualified; good all-round experience; satisfactory references; disengaged. "R.," 38 West Brampton, Newcastle, Staffs.

MINOR Student (24) desires post; excellent experience Counter, Dispensing, Photographic, and Window-dressing; keen interest in Opties. "Annod," 52 Hemberton Road, Stockwell, S.W. S.

OUTDOORS; elderly, experienced, active; Photography; 4½ years in last situation. "Alpha," 2 The Pavement, Ladywell, S.E. 13.

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m P}^{
m ART\text{-}TIME};$  28; experienced; accustomed to management; liberty now; Manchester district preferred. Dale, 85 Bristol Street, Hulme, Mauchester.

PART-TIME berth desired, mornings, afternoons, or evenings, or Locum, by well-experienced, quick, middle-aged, reliable man; references assured; disengaged. Harrison, c/o 169 Railway Approach, Shepherd's Bush, W.

PART-TIME.—Qualified Pharmacist (9-5), Medical Student, desires situation near City; energetic, young; last berth six years. P.C.B. 24/33, Office of this Paper.

PART-TIME.—Qualified, requires position in good-class Pharmacy; W. or S.W. preferred, but not essential. Apply 160/21, Office of this Paper.

PHARMACIST, 25, desires situation; good Dispenser; used to quick cash Retail; disengaged. Terms to Ipe, 231 Radford Road, Nottingham.

QUALIFIED (27), with good Dispensing experience, desires position in a good-class Dispensing business; excellent references. Dutta, 73 Brondesbury Villas, Kilburn, London, N.W. 6.

QUALIFIED (25); good all-round experience; best references; disengaged; Locum or permanency. E. Farrant, 45 Windsor Street, Uxbridge, Middlesex.

QUALIFIED; disengaged; 28; town and country experience; energetic and businesslike. Davis, 2 Heathorn Street, Maidstone.

QUALIFIED (47); disengaged October 30th;  $5\frac{1}{2}$  years Sergt. Dispenser, R.A.M.C.; Dispenser Institution or Locum preferred; excellent testimonials. "Pharmacist," 238 Prince Regent's Lane, Plaistow, E.

QUALIFIED (26) seeks permanency; South preferred; Manager of Assistant; free November 1st. Apply 155/28, Office of this Paper.

QUALIFIED; 30; height 5 ft. 8 in.; high-class Dispensing experience; part-time, afternoons or evenings; Edinburgh or district. Apply 154/12, Office of this Paper.

QUALIFIED Assistant, 27, requires position in London; French, Italian, Photography; good Salesman; first-class experience and references; state salary, hours. Apply P.C.B. 23/3, Office of this Paper.

QUALIFIED, with capital, needs situation with view to ultimate appropriation; energetic; aged 28; height 5 ft. 4 in.; good-class experience. 25 Mornington Crescent, Harrogate.

QUALIFIED Assistant desires post as Branch Manager or Senior; good experience; reference. Fox, Parson Street, Banbury.

QUALIFIED, Manager or Locum, disengaged; age 50; highest references; abstainer; very capable and energetic; could work up neglected business or take position of trust. Apply P.C.B. 24/24, Office of this Paper.

QUALIFIED Lady desires position as Assistant Pharmacist in good Dispensing business; young, energetic, and capable; good references; reasonable salary accepted if there is prospect of advancement following successful work. M.P.S., 22 St. Albans Road, Kingston-on-Thames.

QUALIFIED, age 22 years, smart appearance, requires situation; South of England preferred; 6 years' high-class experience. State particulars to H. C. Linten, 54 Oakfield Street, Lincoln, when exceptional references will be sent, also photograph if required. 158/16, Office of this Paper.

QUALIFIED (28), disengaged; excellent South Coast Dispensing and Photographic experience; tall, capable, energetic; highest references. Russell, 38 Atherfold Road, Clapham, S.W. 9.

QUALIFIED (28) seeks position, London or suburbs; 8 years' Dispensing, Counter, and Photographic experience; excellent references. J. H., 30 Prague Street, Brixton Hill, S.W.

QUALIFIED (24); reliable; highest references; 10 years' General experience; London district preferred. Burr, 174

QUALIFIED Dispenser, wide experience all branches, 44, discnerated gaged 9th inst., seeks progressive permanency; Locum work entertained; abstainer; good references; terms moderate. "Statim," 82 Dahomey Road, Streatham.

QUALIFIED Assistant (22); 5 ft. 11 in.; abstainer; energetic; excellent references; sound Retail, Dispensing, and Photographic experience; not afraid of work; Lancashire or near preferred. Calvert, Railway View, Brierfield, Lancashire.

QUALIFIED (22), desires engagement, either as Assistant or Branch Manager; 7 years' excellent Retail experience; well recommended. Apply, with usual particulars, to Stanciffe, Highfield Road, Idle, Bradford.

QUALIFIED (33), disengaged, requires immediate work in any capacity; reliable; well recommended. "Quercur," 33

QUALIFIED; lady Assistant; 22; three years' good Dispensing and Counter experience; post in business preferred; will Dispense for Doctor or Institution. Player, 201 Ashby Road, Burton-on-Trent.

QUALIFIED Manager, Locum, or Assistant disengaged; West End, City, or good suburban. Smith, 113 Brudenell Road, Upper Tooting.

QUALIFIED, 23; tall; Branch Manager or Assistant; energetic, possessing initiative; Dispensing, Window-dressing, and Salesman; Bristol or near preferred, but not essential. Wright, 18 Snowdon Road, Fishponds, Bristol.

QUALIFIED; 31; tall; good address; disengaged; references open to strictest investigation; fifteen years' experience in high-class business, Manager or otherwise. Shew, "Southlands," Queen's Road, Cheltenham.

QUALIFIED, 26, desires situation; good all-round experience, Photography; disengaged; reliable; good reference. Wilson, 26 Orchard Road, Darlington.

QUALIFIED (24), as Assistant; London or Suburbs; permanency; references; moderate. Apply 160/1, Office of this Paper.

QUALIFIED (36); 15 years' good all-round experience; kindly state terms. Apply 160/17, Office of this Paper.

QUICK, clean Dispenser; Counter, Photographic; London and provincial experience; lady; energetic; Doctor or Chemist; please state terms. "Apply "Somerset" (155/37), Office of this Paper.

SATURDAYS, or part-time; Minor man; 29; tall; experienced and competent; moderate terms. Carter, 20 South Parade, Chelsea, S.W. 3.

SENIOR, qualified, with every possible experience of Retail trade (English, Indian, Colonial), desires engagement in West of England. A. F. Collis, 3 Margaret's Buildings, Bath.

SMART Junior seeks post; 4½ years' experience Counter, Dispensing, Photography; age 21; height 5 ft. 9 in. Apply 152/10, Office of this Paper.

OUTHPORT or NEAR.—Disengaged; unqualified, capable, all-round; good references. Apply 157/29, Office of this Paper.

OUTH-WEST OF ENGLAND.—Qualified (46) seeks permanent position, Manager or Senior; best experience and references; 26 weekly; reliable, energetic, and of good address; disengaged. P.C.B. 24/19, Office of this Paper.

STUDENT-ASSOCIATE (23), attending Pharmacy College, desires evening work, chiefly dispensing. "C.," 448 Kingsland Road, E. 8.

UNQUALIFIED Assistant, ex-Sergeant, four years' experience in Dispensing and Counter work, keen and willing, desires situation; London district preferred. "Aspirin," 49 Prittlewell Street, Southend.

UNQUALIFIED Assistant or Branch Manager (able to take complete charge); 50 years' good all-round experience; good references; married, no family; moderate salary accepted if living accommodation available; country preferred. Parker, 187 Eleanor Cross Road, Waltham Cross, N.

YOUNG lady desires post (outdoors) with Chemist or Drug Stores; 4 years' experience Counter, Photography, Windowdressing, Stockkeeping (no Dispensing); highly recommended. Apply 159/40, Office of this Paper.

YOUNG lady; 3½ years' Counter experience; good Stockkeeper, Window-dresser, Photography; disengaged; good references. Apply 159/2, Office of this Paper.

#### WHOLESALE.

#### 23. for 18 words or less ; 6d. for every additional 10 words or less, prepaid.

A FIRST-CLASS Traveller is looking for a firm of repute who are not afraid to pay decent salary, commission, and expenses; any line; town or country. Write 160/36, Office of this Paper.

A YOUNG, energetic man, age 19, 4 years' Retail experience, requires position in Wholesale Druggists' house, where there is a possibility of becoming a Traveller; smart appearance; height 5 ft. 10 in. Apply, with particulars, to "Progressive" (157/14), Office of this Paper.

A DVERTISER, travelling North of Ireland, would carry Medicinal Tablets or other small samples on commission basis. Apply "Tab." (207/24), Office of this Paper.

A SSISTANT, Wet or Dry, or any responsible position in Wholesale house; 10 years' Retail, 1 Wholesale experience. "Statim" (158/33), Office of this Paper.

CHEMIST, qualified, Major Student, desires position in Wholesale house; London preferred, but not essential; excellent references. Apply P.C.B. 22/37, Office of this Paper.

EXPERIENCED Tablet and Pill-Maker requires situation; London district. G. N., 29 Herbert Street, Malden Road, N.W.

CENTLEMAN. 22 years' London Retail experience, as Representative, Correspondence, or Counter; age 40. Apply "M." (159/1), Office of this Paper.

MANAGER of Toilet Preparations Department desires change; young, energetic, good organiser; able to produce new lines. Apply 159/21, Office of this Paper.

MEDICAL Student, qualified Pharmacist, desires situation in London; progressive worker; young; last berth six years. Apply 24/330, Office of this Paper.

PERFUMERY and Toilet.—Young lady desires position as Packer or Counter Hand. Apply "P." (158/21), Office of this Paper.

PHARMACEUTICAL Chemist, age 24, disengaged November 1st, desires post with Manufacturing Chemists; Laboratory experience with a Public Analyst. Apply 160/5, Office of this Paper.

REPRESENTATIVE desires post with reliable firm; Drugs, Tablets, Soaps, or Sundries; Lancashire preferred, but not essential; salary and expenses, or commission basis. Apply 160/29. Office of this Paper.

WAREHOUSEMAN (Druggists' Sundries), 14 years with London house of high standing, seeks position in minor house for mutual advancement; willing to invest small amount. Letters only, in strict confidence, to A. L., 47 Arundel Square,

YOUNG man seeks post; well up in Pharmaceutical Preparations and Toilets; Laboratory and works experience with leading firms; will accept anything with good prospects. Apply 208/28, Office of this Paper.

#### SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

AMSTERDAM.—Druggist, 25, academ. educ. commercial experience, knowledge of preparing chem. pharm. cosmet. and techn. preparations, firm in Drugs, Paints, Chemicals, and inorganio analyses, knowledge of English, French, and Dutch, at present employed in large Dutch concern, seeks engagement in England or abroad. Address letters "Druggist," International Annonce-Bureau, Amsterdam, Holland.

#### MISCELLANEOUS,

10s. for 60 words : 1s. for every additional 10 words or less.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3. Established 1898. Telephone: 81 Lee Green.—Shares for Sale (free of commission, subject): 30 Allen & Hanbury B Pf., 16s. xd.; 12 Camwal Pf. 8s. 6d., 8 Ord. 3s. 6d.; 200 Crosse & Blackwell 8% 2nd Pf., 20s. 4\frac{1}{3}d.; 500 Farrow's Bank, 10s. paid, 9s. 3d.; 80 G. B. Kent Pf., 14s. 9d.; 300 Watford Mfg. 7\frac{1}{3}\text{WPf.}, 15s. 10\frac{1}{3}\text{Condition}. Shares Wanted (subject): Allenburys; Wright Layman.—Bankers, London County and Westminster.

HOP FITTINGS.—10' 0" Mahogany Serving Counter with Glass Cases in front; 6' 0" bent plate-glass Counter Showcase; 8' 0" Wall Showcase; several Drug Fittings and Dispensing Screens, Silent Salesman Showcases and Counters; every size. Write, stating wants, Philip Josephs & Sons, Ltd., 93 Old Street, London,

BARGAINS.—I-oz. Glass Pomade Jars, best quality, screw cap, about 50 gross, 18s. per gross to clear the lot; 15,000 stout white plain Cartons,  $2\frac{1}{4}''$  square  $\times$  3" deep, with loose corrugated paper lining, 40s. per 1,000 to clear the lot; packages free; free on rail, Twickenham; cash with order. Taylor 118 High Street, Hampton Hill.

FOR Sale, 200 gross first-quality Face Powder 23-oz. square boxes, suitable for shipping or home trade; own name if desired; 45s. per gross or offer. Apply 157/40, Office of this Paper.

POTASSIUM Bromide B.P. for sale, 9 cwt. or part; good crystal; surplus stock; any offers considered for part or whole lot; also 14 cwt. Sodium Bicarbonate B.P., in 1-cwt. kegs, at 24s. per cwt. delivered, part or whole. Reply "E. M.," 109 Tooley Street, S.E. 1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.O.

500,000 Cartons and Pill Boxes, also Skillets. Write samples, B. M. C., Ltd., Grant Road, Croydon.

#### MEDICINAL CAPSULES.

A firm of Manufacturing Chemists having recently erected additional plant, is open to execute orders for Gelatine Capsules in large quantities. Enquiries may be addressed to—

"CAPSULES," 33/19 R., c/o "C. & D."

#### EXCHANGE COLUMN.

Twopence per word: Minimum 2s.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/4

#### FOR DISPOSAL

TWO White Drill Jackets, five pockets, superior make, washed once, 8s. 6d. each; ditto, collar slightly worn, 6s. 6d.; post paid. H. Bibby, Ladybarn, Withington, Manchester.

MICROSCOPE, Field & Son, excellent condition, ¼ and ¾ objectives, diaphragm, condenser, mahogany case, bargain, £7; Minor Slides, complete set, nearly new, 18s., in case; Newth, 4s. 6d.; B.P.C. 1907, 6s. 6d.; Roth, Memory, complete course, 9s.; Davis Histology, 1s. 6d.; Lupton's Chemical Arithmetic, 2s. 6d.; Mayer's Theoretical Chemistry, 5s. 6d.; Balley; 1s. 9d.; Jones' Practical Chemistry, 1s. 9d. ostwald's Analytical Chemistry, 2s. 9d.; Sinclair's Physics, 1s.; Griffith's Heat, 1s. 3d.; Glazebrook's Heat, 2s. 6d.; Wright's Oils, Fats, Waxes, 4s. 9d.; Watchmaker's Eyepiece, 2s.; Scot's Structural Botany, 2s. 9d.; Ostwald's Solutions, 3s. 9d.; Dodd's Preliminary Examinations Guide, 1s. 9d.; Botanical Companion, 6d.; Huro's Spanish Simplified, 2s. 2d.; Legg's Urine Analysis, 1s. 9d.; Arnold's Physics, 1s. 3d.; Wills' Preliminary Exercises, 1s.; Poyser's Magnetism and Electricity, 1s. 9d.; Meissner's German, 1s.; Percival's Latin, 1s. 3d.; Mansfield's Latin Exercises, 1s. 9d.; all post free. "Qualified" (159/22), Office of this Paper.

#### BOOKS AND PERIODICALS.

MINOR Books, microscope; name requirements. Latham, 11 Carlton Mansions, Brixton, S.W. 9. MINOR BOOKS, complete, used at Square this year, including 6 Wills'. McKee, Chemist, Acton, W. 3.

#### DENTAL

14 PAIRS Dental Forceps, assorted; 2 Elevators; 2 Mouth Mirrors; as new; 23 14s. or near offer; bargain. F. E. Crick, 22 Wilton Street, Barrowford, Lancashire.

#### DRUGS AND CHEMICALS.

2 LB. each Potass. Iodid., 33s.; Bismuth. Carb., 33s.; Aspirin, 10s.; Jalap, 11s.; 2 oz. Morph Hydrochlor., 34s., 50s. paid. Forryan, 75 Hinckley Road, Leicester.

#### OPTICAL AND PHOTOGRAPHIC.

CARBOY, one Swan-necked; Kodak metal washing-tank; what offers? Medical Hall, Tarbert, Argyll.

CAMERA.—Lizar's folding \( \frac{1}{2} \)-plate, 6 double slides, Beck lens; little used. Medical Hall, Tarbert, Argyll.

CAMERA.—Box form, \( \frac{1}{2} \)-plate "Midg," Kylos shutter, Aldis Anastigmat lens, F/6, focussing 6 ft., 1 doz. plate-holders, canvas case with strap complete; perfect order; \( \frac{1}{2} \)5, or nearest offer. Fox, Chemist, Tramore.

#### WANTED.

WANTED, Optical Limclight Lantern, suitable school lectures. Ward, Chemist, St. Peter's, Broadstairs.

WANTED, Santonin, Atophen, Bism. Salts; small quantity of each. Apply 155/35, Office of this Paper.

WANTED, a firm to undertake the Bottling of Proprietary Articles. Particulars to 4/64B, Office of this Paper.

PHARMACEUTICAL Books wanted; cash offers on receipt. Gower, Bookseller, 41 Voltaire Road, Clapham.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

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